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Consistent Quality, Precision, and Reliability of Performance Make Calrad Electronics the Favorite Choice of:

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- HOBBYISTS
- CB'ERS

Calrad

ENGINEERED ELECTRONIC PRODUCTS

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PROFESSIONAL DYNAMIC MICROPHONE

- HIGH IMPEDANCE: 50K
- LOW IMPEDANCE: 200 ohm
- RESPONSE: 35-15,000 cps
- CARDIOID PATTERN

Designed with a spherical front filter for professional use. Pickup pattern is highly unidirectional to reduce any chance of feedback. Frequency response 35-15,000 cps. Output level —53 db. Has a die cast case beautifully finished in satin chrome. Equipped with a 4 prong detachable connector with cable 20 ft. long, and a swivel mike stand holder tapped for ⅝-27 stands.

Cat. No. DM59 HL

BROADCAST QUALITY DYNAMIC MICROPHONE

- CARDIOID DIRECTIONAL
- RESPONSE: 40-15,000 cps
- OUTPUT LEVEL: —55 db
- DUAL IMPEDANCE

Reduces big room reverberation. Response flat from 40 to 15,000 cps. Super cardioid pattern discriminates against sounds from sides and rear, reduces feedback. Die cast case is attractively finished in brushed chrome. A 4 prong detachable connector with 20 ft. cable and a swivel mike stand holder for ⅝-27 stands.

Cat. No. DM58HL

DUAL IMPEDANCE DYNAMIC MICROPHONE

- RESPONSE: 35-14,500 cps
- OUTPUT LEVEL: —52 db
- CHROME FINISH
- DIE CAST CASE
- ON-OFF SWITCH

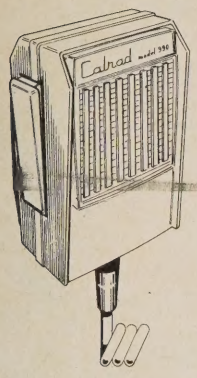
Features a smooth cardioid pattern for maximum reduction ot extraneous noises and reverberation. Permits close talking while reducing bass accentuation. Ideal for P.A., orchestral and vocal use. Includes a 4 prong connector with 20 Ft. cable a ⅝-27 mike stand holder.

Cat. No. DM57HL

The CALRAD brand means engineered electronic components and equipment of the highest quality —your assurance of complete satisfaction with approved items of Japanese manufacture.

Prices subject to change without notice.

VOLUMETRIC MOBILE MICROPHONE WITH BUILT-IN TRANSISTORIZED AMPLIFIER



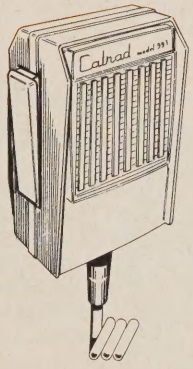
The "990" is designed specifically for the CB, Communications and Business Radio field. This microphone incorporates a two-stage transistorized amplifier to provide a gain of 15 db over conventional ceramic mobile microphones. Model "990" has the capability of fully modulating any transmitter, due to its high output level. Output level can be easily adjusted by a semi-recessed calibrated volume control located on the rear of the case. The ceramic element is unaffected by extremes of temperature or humidity. To achieve maximum temperature stability, the amplifier is built with silicon transistors.

A tough case, of molded high-impact plastic, houses the "990" and includes an oversized grip-to-talk switch.

The "990" is wired for relay switching (closing an external set of contacts, with no ground connection). Additional switching contacts are provided by the three pole double throw switch to provide greater switching flexibility and compatibility with most transceivers. Self contained batteries, retractable cable. Includes mounting clip.

Cat. No. 990

VOLUMETRIC CERAMIC MOBILE MIKE *PUSH TO TALK CIRCUIT



HIGH IMPEDANCE

Ceramic element, 300 to 3,000 cps voice response, rugged black cycolac case, 5 ft. retractable cable. Includes mounting bracket. High impedance.

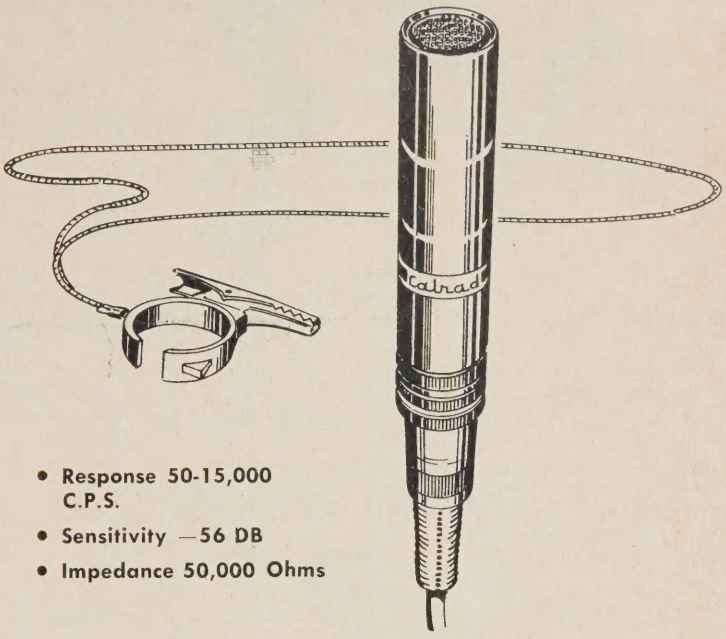
Cat. No. 991

CARDIOID DYNAMIC MICROPHONE

SATIN CHROME FINISH

A superb quality dynamic mike with a ball head for distributed cardioid frontal pickup, feedback is kept at a minimum. Output —52 db, 40-13,000 cps. 50,000 ohm impedance. Equipped with on-off switch, and detachable mike connector, with 20 ft. shielded cable. Can be used hand held or with the ⅝-27 mike stand fitting which is supplied. **Cat. No. DM31C**

LAVALIER SLIM DYNAMIC OMNIDIRECTIONAL MIKE



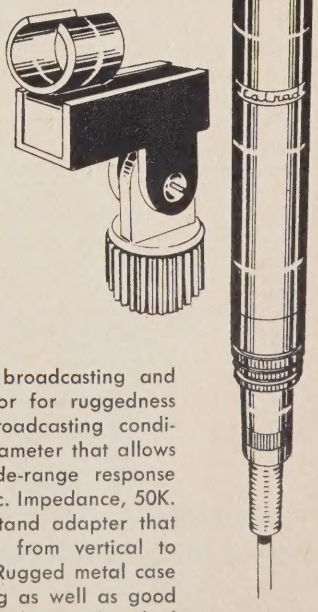
- **Response 50-15,000 C.P.S.**
- **Sensitivity —56 DB**
- **Impedance 50,000 Ohms**

A miniature size, professional-quality dynamic microphone designed for lavalier use by announcers, singers, public speakers, lecturers, and for all applications which require a small size, lightweight, wearable unit of distinctive appearance. Microphones have a "shaped" response with the special feature of eliminating or greatly reducing the pickup of clothing and cable noise. Finished in brushed satin chrome. Supplied with 10 ft. shielded cable and detachable mike connector. A combination tie clip or lavalier slip in mike holder is provided.

Cat. No. DM61

OMNIDIRECTIONAL DYNAMIC MICROPHONE

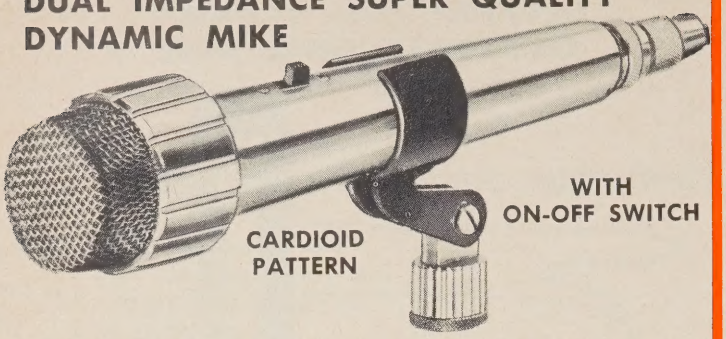
RESPONSE
40-18,000 C.P.S.
SENSITIVITY
—55 DB



Designed for television and radio broadcasting and public address applications. Superior for ruggedness and performance under typical broadcasting conditions. Modern in ultra-slim ⅝-inch diameter that allows maximum view of performers. Wide-range response for authentic pickup of voice or music. Impedance, 50K. Complete with slip-in swivel mike stand adapter that permits tilting the microphone 90° from vertical to horizontal. Can also be hand-held. Rugged metal case provides effective magnetic shielding as well as good looks. Finished in non-reflecting satin chrome. Supplied with 10 ft. shielded cable and detachable mike connector. Slip-in mike stand holder is included.

Cat. No. DM62

DUAL IMPEDANCE SUPER QUALITY DYNAMIC MIKE



High-style design dynamic mike with excellent characteristics; for night-club, PA, and other uses where a high quality pickup of both voice and music is needed. High and low impedance 250 or 50,000 ohms. A flat frequency response from 35 to 15,000; Sensitivity: —52 db. Streamlined design with satin chrome finish. Threaded for ⅝-27 mike stands. Complete with 20 Ft. Cable and mike connector; on-off switch. Mike stand holder included. Individually boxed. **Cat. No. DM55HL**

PROFESSIONAL RECORDING AND DELUXE CARDIOID DYNAMIC MICROPHONE

- **Response: 40-15,000 cps**
- **Impedance: 50K ohm**
- **Sensitivity: —52 db**
- **On and Off Switch**

Cat. No. DM41C

High impedance (50,000) ohm. This microphone reproduces true-sound with unwanted pickup eliminated from all sides or rear due to a sensitive pear shaped pickup pattern. Smooth natural sound on voice or music. Smooth chrome finish. Rugged construction permits rough handling. Equipped with on-off switch, mike holder and mike connector with 20 ft. shielded cable.

DUAL IMPEDANCE DYNAMIC MICROPHONE

- **Dual Impedance**
  50,000 ohms High
  50 ohms Low

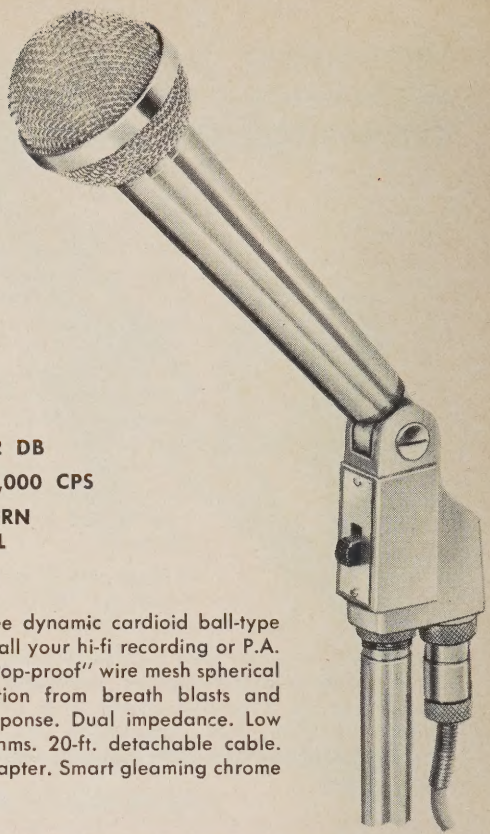
Dynamic microphone, single direction pick-up, dual impedance. Excellent for PA recording both voice and music. Handsome new styling with terrific performance. Will stop or greatly reduce feed-back howl on PA systems and allow greater working distance from mike. Quickly changed from regular high impedance to 50-ohm low impedance, allowing long mike lines without frequency loss. Has detachable cable. Flat response 60-12,000 cps. Output —52 db. Swivel mounting ⅝"-27 stands. Satin chrome finish.

Cat. No. DM-16HL

GENERAL PURPOSE DYNAMIC MICROPHONE

An excellent general purpose dynamic mike. Provides natural reproduction of voice and music. Its mesh grill minimizes extraneous noises. Finished in beautiful chrome. Response 40-15,000 cps, sensitivity —52 db, 50,000 ohm impedance. Equipped with on-off switch. Supplied with shielded detachable cable and a ⅝"-27 mike standholder which permits hand use. **Cat. No. DM33C**

P.A. DYNAMIC MICROPHONE DUAL IMPEDANCE

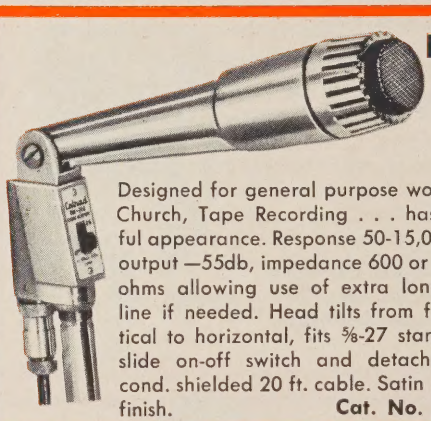


- **SENSITIVITY —52 DB**
- **RESPONSE 30-18,000 CPS**
- **CARDIOID PATTERN UNI-DIRECTIONAL**
- **ON-OFF SWITCH**

A rugged feedback, free dynamic cardioid ball-type microphone. Perfect for all your hi-fi recording or P.A. needs, indoors or out. "Pop-proof" wire mesh spherical screen provides protection from breath blasts and wind. 3018,000 cps response. Dual impedance. Low 200 ohms, high 50K ohms. 20-ft. detachable cable. On-off switch. Swivel adapter. Smart gleaming chrome finish.

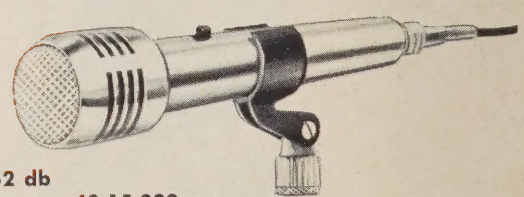
Cat. No. DM63

DUAL IMPEDANCE SUPER CARDIOID DYNAMIC MICROPHONE



Designed for general purpose work, PA, Church, Tape Recording . . . has tasteful appearance. Response 50-15,000 cps, output —55db, impedance 600 or 50,000 ohms allowing use of extra long mike line if needed. Head tilts from full vertical to horizontal, fits ⅝-27 stand. Has slide on-off switch and detachable 2 cond. shielded 20 ft. cable. Satin chrome finish. **Cat. No. DM-21**

ARISTOCRATIC CARDIOID DYNAMIC MICROPHONE



- **Sensitivity: —52 db**
- **Frequency Response: 40-15,000 cps**
- **Impedance: 50K ohm**

Entirely new styling of this exciting high impedance dynamic microphone was designed by N.C. Rugged construction, impervious to moisture or temperature changes. 220 degree pickup increases working distance and close up work without distortion. Smooth response for both voice and music is produced over the entire frequency response. Ideal for all uses such as theatres, recording studios, lectures and deluxe sound systems. Lustrous brushed chrome and black finish. Equipped with on-off switch, mike holder, and mike connector with 20 ft. shielded cable.

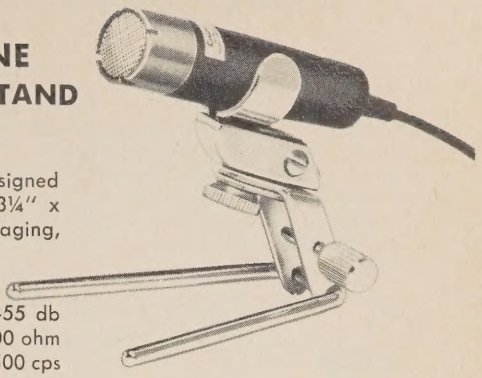
Cat. No. DM40C

LAVALIER DYNAMIC MICROPHONE

A very small Lavalier mike complete with 15 ft. shielded cable, and around the neck mike holder. Can also be hand held. Weighs approx. 3 Oz., less cable. Size ⅞" D. x 3½" L. Beautifully finished in satin chrome. Response 50-15,000 cps, sensitivity —55 db, impedance 50,000 ohms.

Cat. No. DM35C

SLIM PENCIL TYPE DYNAMIC MICROPHONE COMPLETE WITH DESK STAND AND LAVALIER LOOP

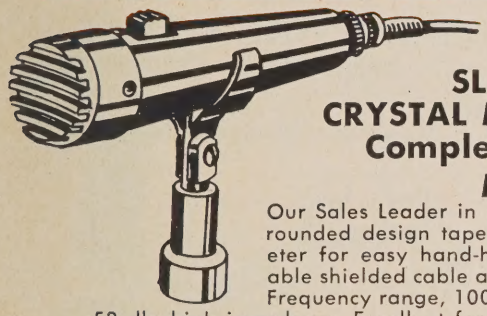


A high sensitivity unit with a specially designed low range compensating barrel, only 3¼" x ¾" diameter. Perfect for recorders, paging, ham stations, lecturers, etc.

SPECIFICATIONS

Output Level .....—55 db
Impedance .....50,000 ohm
Response .....50-13,500 cps
Supplied with cable and removable mike stand.

Cat. No. DM19



SLIM CRYSTAL MICROPHONE Complete with MIKE HOLDER

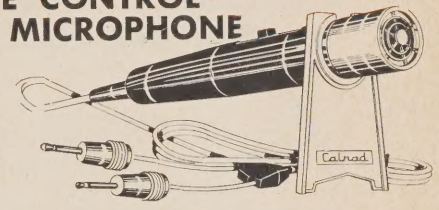
Our Sales Leader in microphones. Smooth, rounded design tapering from 1⅛" diameter for easy hand-held use. Has detachable shielded cable and slide on-off switch. Frequency range, 100-9,000 cps; sensitivity —52 db; high impedence. Excellent for voice or music. Satin chrome finish case. Individually boxed. **Cat. No. 100-C**

TIE CLASP MAGNETIC MICROPHONE

A very attractive gold finished tie clasp with a jewel insert, but actually is a complete miniature microphone! Fine secret sound pickup. 15,000 ohms impedance. Matches most transistorized equipment. Excellent for voice frequencies. Has 36" shielded cable with miniature phone plug.

Cat. No. M825

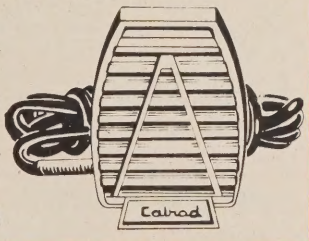
UNIVERSAL REMOTE CONTROL MICROPHONE



Specially designed for transistor recorders. Remote on/off switch with two individual pin plugs. May be used as dual plug for remote control recording for cassette, reel type recorders or single plug for general microphone use. May be hand held or used with desk holder supplied. Frequency Response 60-12000 HZ

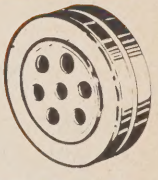
Cat. No. DM-64

HAND TYPE CRYSTAL MICROPHONE HI-IMPEDANCE



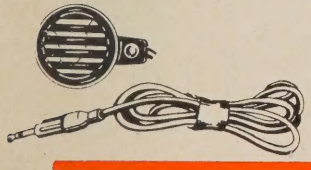
High output crystal microphone handsomely styled in a high-impact plastic case. Can be held in hand, sit on desk or it will fit a standard ⅝ x 27 thread mike stand.
Excellent reproduction when used for tape recorders, PA, CB, and many other applications. 5 ft. cable attached. Indiv. boxed. **Cat. No. CM-58**

CRYSTAL MICROPHONE REPLACEMENT CARTRIDGE HI-IMPEDANCE



Crystal microphone replacement cartridge. High impedance, extra sensitive, good output. Only 1" x ½". Perfect for concealed location. **Cat. No. MC-10**

LAPEL CRYSTAL MICROPHONE WITH CLIP HI IMPEDANCE 200-8,000 CPS. —55 DB SENSITIVITY

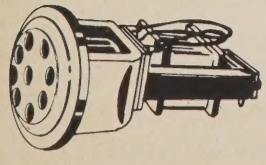


Small rugged mike with moisture proof crystal, has clip for lapel use. Non-directional, with shielded plastic covered cable and plug ideal for speech, tape recorders or experimental work.
Cat. No. M-28P

REPLACEMENT MICROPHONE CARTRIDGE 70-7,000 CPS

For replacement use, or concealed operation. Approximately 2" in diameter; 70-7,000 cps response; sensitivity, —52 db. May also find use as crystal earphone unit. **Cat. No. C-3**

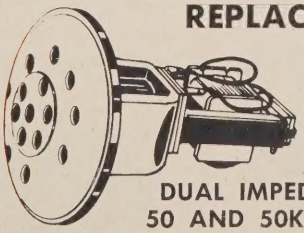
MINIATURE DYNAMIC MICROPHONE REPLACEMENT



This high quality dynamic cartridge with matching transformer attached can improve your old mike. Sensitivity —55 db. Response flat from 50 to 12,000 cps, 50,000 ohm impedance. 1¼" dia. x 1⅝" deep.

Cat. No. DT-50K

DYNAMIC MICROPHONE REPLACEMENT

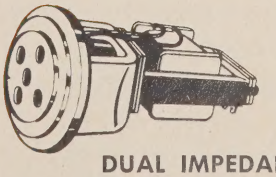


DUAL IMPEDANCE 50 AND 50K OHMS

This hi-impedance cartridge can also be used in special applications or where equipment requires a built-in mike. Sensitivity —52 db, response 40-13,000 cps, 1⅞" dia. x 1¾" deep. Has attached transformer.

Cat. No. DT-51

POPULAR SIZE DYNAMIC MIKE ELEMENT



DUAL IMPEDANCE 600 AND 50K OHMS

A sturdily built hi-impedance dynamic microphone element that has extra ordinary wide response 40 to 14,000 cps. Sensitivity —53 db. 1⅞" dia. x 1¾" deep.

Cat. No. DT-52

SLIDE-IN MIKE STAND HOLDER

Will fit mikes up to ⅞" dia. Also taper designed. Made of high impact black plastic. Stand fitting chrome plated knurled brass. Fits ⅝-27 stand.

Cat. No. MH-300

1 INCH MIKE HOLDERS

Cat. No. MH350 PLASTIC AND METAL

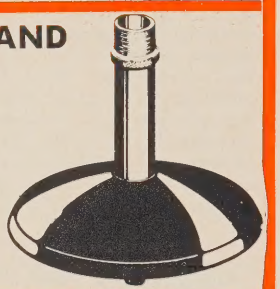
Same as MH-300 Mike Holder above, except holds mikes up to 1" diameter.

Cat. No. MH400 ALL METAL CHROME PLATED

SLIM MIKE STAND HOLDER

Fits ⅝" diameter microphones. Can be used with our DM 61 and DM62. Described on page 2. **Cat. No. MH250**

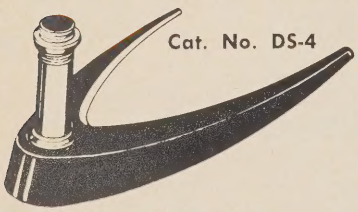
DELUXE DESK MIKE STAND



This sturdy desk stand is 5" high. Has a heavy 6" dia. base with 3 rubber feet to prevent scratching and rocking. Base is tapped ⅝-27 and chrome rod is threaded ⅝-27 on both ends.

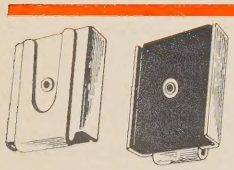
Cat. No. DS-10

MODERNISTIC DESK STAND



Cat. No. DS-4

A beautiful modernistic desk stand. "U" shaped base finished in black. Supplied with a polished chrome upright tube with two-finishing collars, threaded ⅝-27 at both ends. Can be used with the other mike accessories on this page.

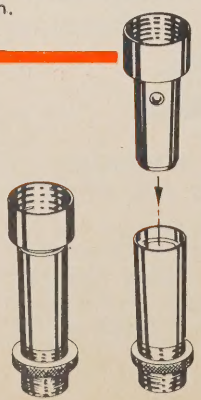


MAGNETIC DASH BOARD MIKE HOLDER

Powerful magnet attaches to any steel surface. You can then hang mike up on any metal surface such as car dash or transciever case. No holes to drill in mike or car dash.

Cat. No. MH-200

TAKE APART MIKE STAND ACCESSORY



Permits pulling mike off stand without unscrewing for hand held use. Has a ball stop to hold mike on stand securely, illustration shows it together and apart. Finished in polished chrome. Fits ⅝-27 mike and stand.

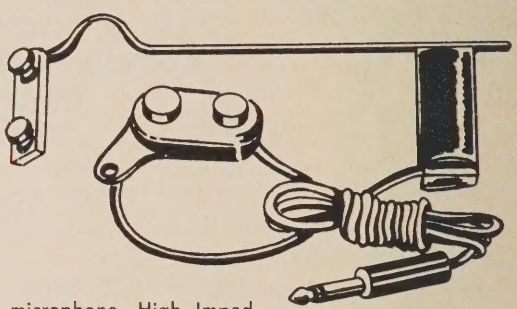
Cat. No. SN-2

GUITAR MICROPHONE FOR "F" HOLES

Improves the tone of your present guitar. Control the volume of each string. Features separate tone and volume controls. Supplied with detachable cord and mounting accessories.

Cat. No. G-112

GUITAR MICROPHONE WITH VOLUME AND TONE CONTROL

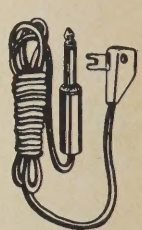


Musical contact microphone. High Impedance. For use with string instruments. Provides uniform response over entire musical range. Complete with cable, plug, tone control, volume control and mounting clamp. Freq. response 40 to 12,000 cps.

Cat. No. G-110

HI-IMPEDANCE MUSICAL CRYSTAL CONTACT MIKE

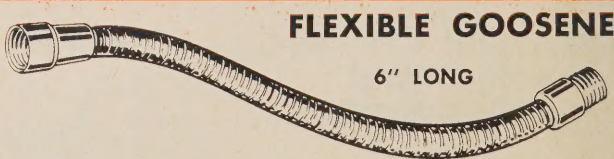
WITH STANDARD PHONE PLUG



For musical instruments. Pickup is by direct contact with sounding board of instrument. Frequency response, 40-9,000 cps. Attaches without tools — will slip under bridge of string instruments. Complete with shielded cable and phone plug. **Cat. No. CC-1**

FLEXIBLE GOOSENECK

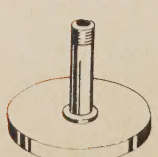
6" LONG



Highly polished chrome finish. One end tapped, other end threaded ⅝-27. Adjusts in any position.

Cat. No. FG-6

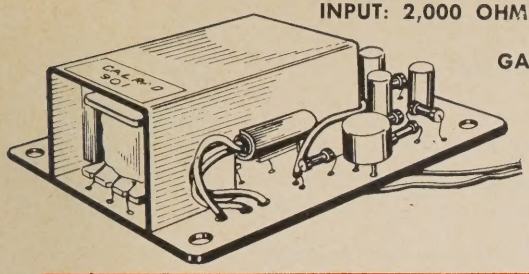
DESK MICROPHONE STAND



Mike stand with ⅝" x 27" thread. Gray plastic base 5" dia. rod is 3½" from top of base. Indiv. box.

Cat. No. DS-2

4 TRANSISTOR 3 STAGE 3 WATT-PUSH-PULL MINIATURE AUDIO AMPLIFIER



INPUT: 2,000 OHMS OUTPUT: 8 and 16 OHMS
RESPONSE: 50-15,000 CPS.
GAIN: 6 MV IN FOR 3 WATTS

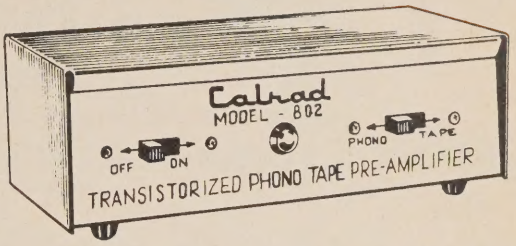
A solid state push-pull audio amplifier designed for use by experimentors and hobbyists in a multitude of projects. The amplifier uses 4 transistors, terminated in a 8-16 ohm output transformer, hi-impedance input. Amplifier is powered from a Burgess 2u6, 9 volt battery, or equal. Power output of the amplifier is sufficient for personal radios, midget P.A. systems, etc. Including instructions. 2⅛" W. x 3" L. x 1" H. Less batteries.

Cat. No. 901

MONAURAL OR STEREO PHONO-TAPE PREAMPLIFIER SOLID STATE

Features hi-fidelity reproduction and hi-gain amplitude, minimizing noise and distortion. It is possible to listen to pre-recorded tapes direct from tape heads. These units have the NARTB curve compensating network built in. Or, if you wish to convert your phono to a magnetic cartridge, these units have incorporated the necessary RIAA playback curve compensating network. Small and compact, will accept an input of minus 35 db 16MV) and deliver an output of plus 11 db (900 MV) with less than 1% distortion. Load impedance 10K to 100K. Input impedance 70K. Signal to noise; better than minus 45 db. With instructions and schematics. Operates on 115V AC.

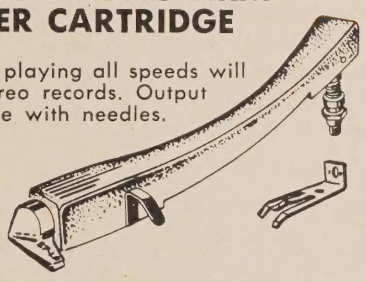
Cat. No. 802



UNIVERSAL STEREO PHONO ARM WITH TURNOVER CARTRIDGE

Stereo arm and cartridge for playing all speeds will play both monaural and stereo records. Output 3 volts. Ivory finish. Complete with needles. Indiv. boxed.

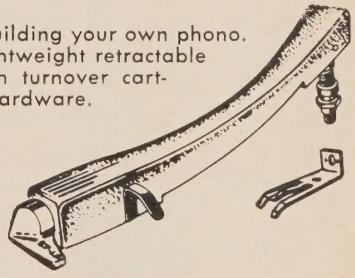
Cat. No. TO-365



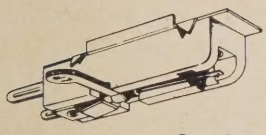
UNIVERSAL MONAURAL PHONO ARM WITH TURNOVER CARTRIDGE

Fine for replacement or for building your own phono. Plays all 4 speeds. Sturdy lightweight retractable mounting type complete with turnover cartridge. Plastic arm-rest and hardware. Gray finish. 3 Volt output.

Cat. No. TO-35



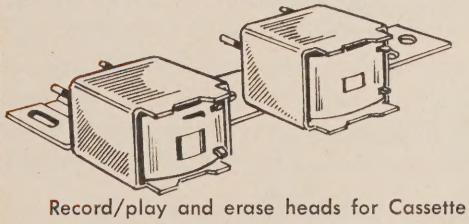
UNIVERSAL MINI-CERAMIC TURNOVER CARTRIDGE



Genuine replacement for most battery powered compact phonographs. Also replaces single needle types.

Cat. No. CX314

CASSETTE RECORD PLAY AND ERASE HEADS

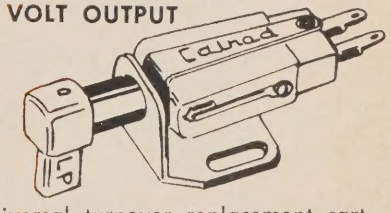


Record/play and erase heads for Cassette tape recorders.
Universal replacement for most popular monaural Cassette tape recorders.

Cat. No. 890

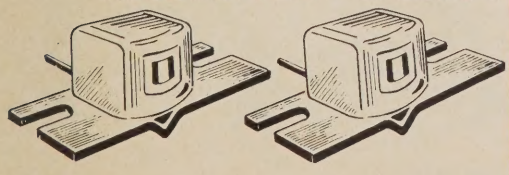
UNIVERSAL TURNOVER PHONO CARTRIDGE

3 VOLT OUTPUT



Universal turnover replacement cartridge complete with sapphire styli and all mounting hardware. Will replace most similar cartridges. Frequency response—40 to 13,000 cps. 3.0 volt output. Indiv. boxed. **Cat. No. CX-312**

TAPE RECORDER HEADS RECORD/PLAY & ERASE



A two-piece set consisting of one record/playback and erase head. With bracket. Record/Play: ½ track, DC Res. 660 ohms, Impedence 3500 ohms. Bias Current 0.2 ma. Erase: 320 ohms. Erase current 4 ma. Instructions & Hardware included.

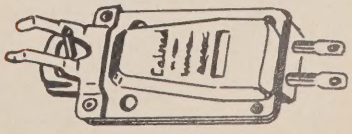
Cat. No. RE-2

TAPE - REEL - RETAINERS

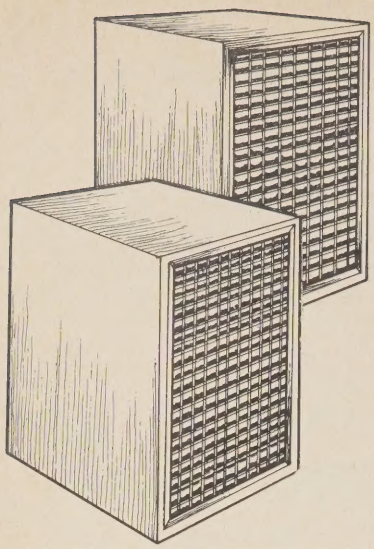
Will securely hold tape reels from being dislodged regardless of position tape recorder is being used in. Rubber molded for firm grip. Individually packaged per pair. **Cat. No. RS-25**

RCA TYPE 45 RPM REPLACEMENT CARTRIDGE

50-10,000 CPS — 1.0 VOLT OUTPUT



Exact physical and electronic replacement for RCA type players. Frequency response: 50-10,000 cps, 1.0 Volt output. Complete with 1 mil sapphire stylus. Individually boxed. **Cat. No. CX-310**



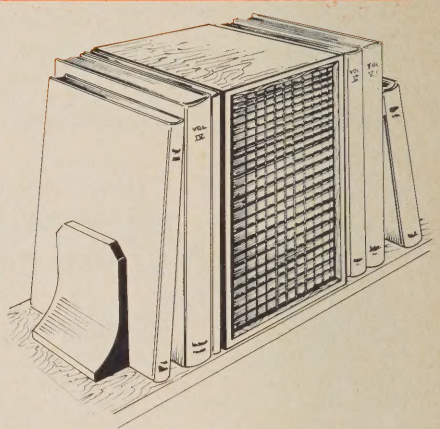
COMPACT III VOLUMETRIC THREEWAY SPEAKER SYSTEM

- RESPONSE: 30 TO 20,000 CPS
- POWER CAPACITY: 40 WATT PROGRAM
- CROSSOVER NETWORK
- HEAVY FERRITE MAGNETS
- WALNUT CABINET: 19½" H. x 10" W. x 7¼" D.

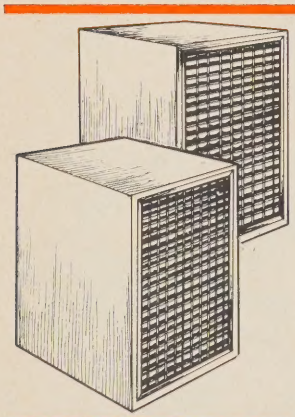
Looks beautiful, sounds excitingly different, like some of the largest and most expensive speaker systems. Scientific principle adds extra protection to high tones, re-creates music with startling fidelity. Ideal for stereo or monaural speakers—2 specially-designed high compliance woofers, and one tweeter extends response 30 to 20,000 cps. Cabinet of walnut with oiled finish. Impedance 8 ohms. **Cat. No. SS56**

COMPACT II VOLUMETRIC TWO WAY SPEAKER SYSTEM

- Response: 35-18,000 cps
- Walnut Cabinet
- Crossover Network
- Powerful Ferrite Magnets
- Power Capacity: 30 Watts Program
- Compact Size: 13" H. x 8¾" W. x 7¼" D.



An improved acoustic innovation, will improve most present systems. Enclosed in a beautiful walnut cabinet. 20 Watt output R.M.S. 30 Watt program. Impedance 8 ohms. Response 35-18,000 cps. Compact in size, only 13" H. x 8¾" W. x 7¼" D. Yet this is a giant in performance, for it is a full-fledged two-way system using a proper crossover network and providing superb compliance and amplitude, extending beyond both ends of the audio spectrum. Features the most powerful ferrite magnets on speaker and tweeter. Less books and bookends. **Cat. No. SS54**



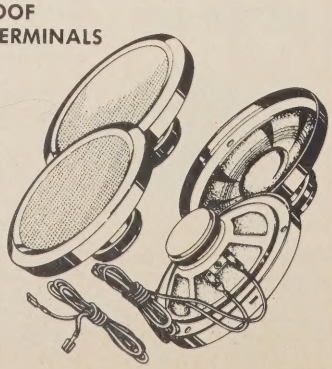
COMPACT I VOLUMETRIC TWO WAY SPEAKER SYSTEM

- RESPONSE: 35-17,500 CPS
- WALNUT CABINET
- CROSSOVER NETWORK
- 11" H. x 6½" W. x 7" D.

An acoustic innovation, sounds like systems much larger. Completely enclosed in a beautiful walnut cabinet. 10 Watt output R.M.S. 20 Watts program. Impedance 8 ohms, Response 35-17,500 cps. Compact in size, only 11" high x 6½" wide x 7" deep. Yet this is a giant in performance, for it is a full-fledged two-way system using a proper crossover network and providing superbly clean sound extending beyond both ends of the audio spectrum. **Cat. No. SS-53**

VOLUMETRIC STEREO MATCHED KIT "PM" SPEAKERS WITH CHROME GRILLS

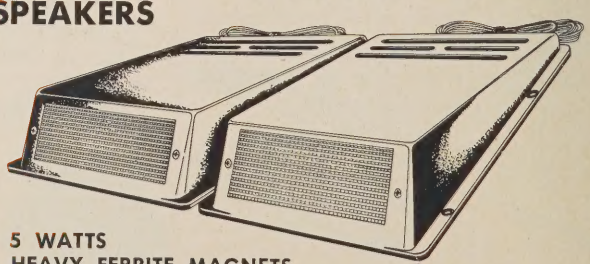
- 5 INCH
- FERRITE MAGNETS
- 4 WATTS EACH 8 WATTS PEAK
- FOR AUTO OR HOME STEREO
- MOISTURE RESISTANT
- BLAST PROOF
- CLIP-ON TERMINALS



These speakers are probably the best speakers you can buy for auto use. They can be mounted in the doors or rear deck. The heavy chrome plated grill snap on, and are very firmly secured. The blast proof feature prevents damage when the car doors are slammed shut. Included are 2—11 foot color coded clip/on speaker leads, template, mounting instructions and hardware.

Cat. No. S520

UNIVERSAL MOUNT CAR STEREO SPEAKERS

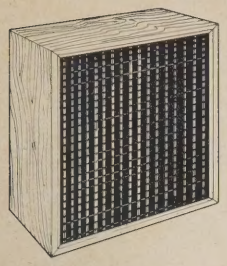


- 5 WATTS HEAVY FERRITE MAGNETS

No holes to cut—mounts on the surface. Fits on rear window shelf, under dash, under front seat or side kick plates. Tough resilient plastic enclosures protect speakers and provide exceptional baffling for good bass response. With 5 watt 8 ohm speakers, each 10 watts peak rating. Size 8¼ x 7" base. Hgt. 3 5/16" with speaker leads.

Cat No. 844 Matched Pair of 2

MINIATURE 2-WAY SPEAKER SYSTEM



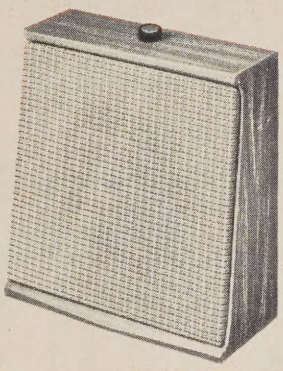
DELUXE WALNUT ENCLOSURE
WOOFER-TWEETER-NETWORK

Response 40 to 18,000 cps—15 watts music rating. Small and mighty 9½" sq. 3¼" D. Will improve performance of most music systems.

Has high compliance woofer and super tweeter with powerful ferrite magnets. Solidly built. Impedance 8 ohms. **Cat. No. 843**

SLIM LINE WALL SPEAKER

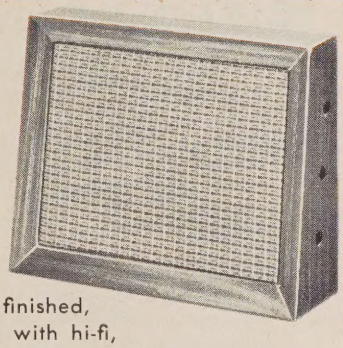
WITH LEVEL CONTROL



Slimline wall speaker reproducing excellent tone quality. Volume control mounted on outside of cabinet. High styled grill cloth in neutral color. Size: 9¾ x 9¾ tapering from 3" to 4". Walnut finish.

Cat. No. BS-8 W

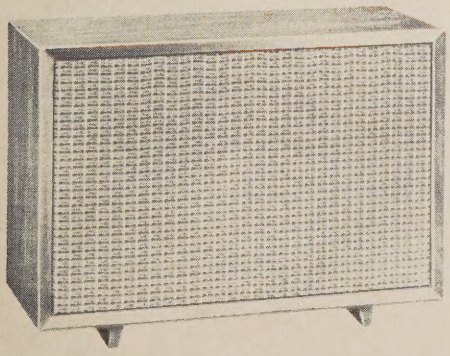
SLIM-LINE SPEAKER SYSTEM



SPECIFICATIONS

Magnet, 2.15 oz.; Voice Coil, 8 ohm; Size, 7½ x 9¾"; top 1⅜" tapering to 2½" bottom; finish Walnut only.

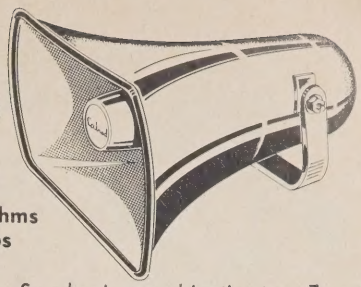
A compact, sloping front, walnut finished, slim line speaker system for use with hi-fi, intercom, background music, and extra extension speaker. Flat base makes it practical for desk. Heavy duty P.M. speaker. Walnut picture frame moulding with beautiful plastic grill cloth makes this newest addition to our growing list of PMB speakers one of the finest. Extra flat. Extends only 2½" from wall. No other speaker will compare. **Cat. No. PMB-7**



HEAVY DUTY PM SPEAKER IN WOOD CABINET WITH LEVEL CONTROL

This beautifully finished wood cabinet with elegant plastic grille cloth comes complete with heavy PM speaker and fader control. Big sound in the smallest possible enclosure. Unbelievable quality is achieved through the use of an extremely efficient speaker. Size: 12" W x 8¾" H x 5" D—Walnut. **Cat. No. PMB-8 W**

OUTDOOR REFLEX SPEAKER WATERPROOFED



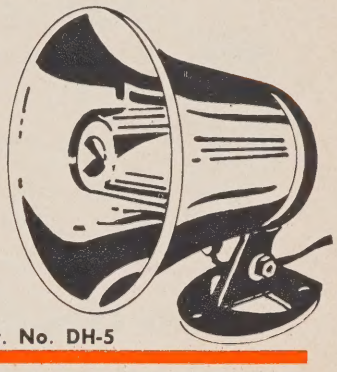
Power Rating: 12 Watts
20 Watts Peak
Voice Coil Impedance: 8 ohms
Freq. Range: 340-7,000 cps
Horn Opening: 5" x 8"

The Model DH12 Trumpet Horn Speaker is a combination type Trumpet Horn Speaker with the Driver Unit enclosed within the Horn. Complete Waterproofing and Rustproofing with Shockproof construction has made this speaker a rugged Trumpet Speaker for rough use. Its lightweight aluminum construction and small size give versatility in use. Complete with swivel mounting bracket furnished in grey Hammertone finish, and connecting cord. **Cat. No. DH-12**

OUTDOOR PAGING SPEAKER

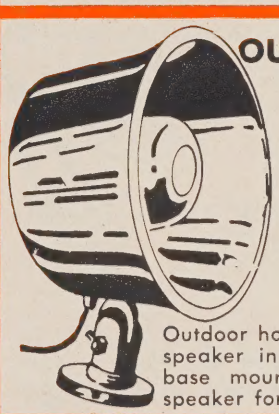
Power Rating: 5 watt
Voice Coil Impedance: 8 ohm
Frequency Range: 400-12,000 cps
Horn Opening: 5 inch
Overall Length: 5⅜ inch
Net Wt.: Approx. 15 oz.
Waterproofed

Natural tone paging speaker for universal application free of peaks. Reentrant type speaker weatherproofed for outside use. 180° swivel bracket. Heavy-duty 2 conductor lead wire. Will provide penetration over a 90° spread. Indiv. boxed.



Cat. No. DH-5

OUTDOOR HORN COMPLETE WITH SPEAKER

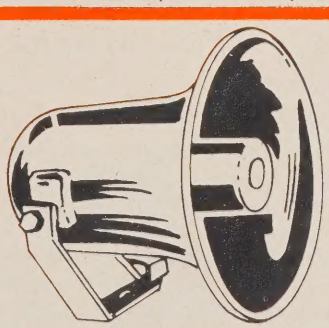


Popular Model Horn Speaker with Swivel Brackets
Allowable Input: 8 watts
Impedance: 4 ohms
Horn Diameter: 8"
Depth: 5⅛"
Overall Height: 10⅛"
Weight: 3 lbs.
Freq. Char.: 200-10,000 cps

Outdoor horn containing a heavy duty 5-inch cone speaker in a sturdy metal Bell projector. Swivel base mounting. Excellent, all-weather, compact, speaker for speech or music. **Cat. No. DH-8**

COMPACT OUTDOOR REFLEX SPEAKER

WATERPROOFED



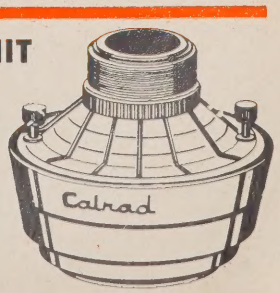
Swivel Mtg. Bracket
28 inch Speaker Lead
Waterproofed

Freq. Response: 300 to 13,500 cps
Impedance: 8 ohm
Bell Opening: 6 inches
Depth: 6 inches
Power Cap.: 8 watt
12 watt peak
Dispersion: 120°

Compact Reflex Speaker with full power driver unit. Excellent for use in paging or PA systems. Indoor or outdoor use.
Cat. No. DH-10

40 WATT DRIVER UNIT

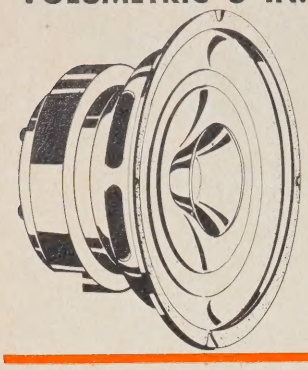
- **HEAVY DUTY**
- **WEATHER PROOF**
- **85-10,000 CPS**



Designed for use with reflex trumpets and radial reflex projectors. 16 ohm impedance.

Cat. No. DR40

VOLUMETRIC 6 IN. PM DYNAMIC SPEAKER WITH WIZZER

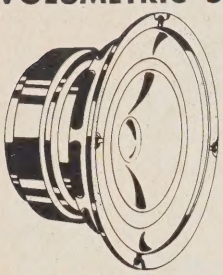


- Ferrite Magnet
- Frequency 35-18,000 cps
- 10 Watt 20 Watt Peak

A new approach has been used in the design of this speaker for good compliance and amplitude. A new type voice coil. A special type of paper and the configuration of the cone. The membrane material which supports the edge of the cone is unique. Impedance 8 ohms.

Cat. No. S503

VOLUMETRIC 5 IN. PM DYNAMIC SPEAKER

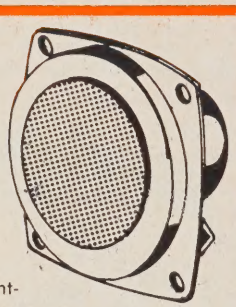


- Ferrite Magnet
- Frequency 40-17,000 cps
- 7½ Watt 15 Watt Peak

This economy model will out-perform many larger speakers. Ideal where space is limited. Closer fitting voice coil gives excellent transfer of energy. It will improve your system. Voice coil 8 ohm impedance. Individually boxed.

Cat. No. S515

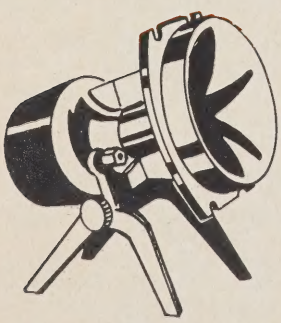
CONE TYPE TWEETER



CT-1 Tweeter 3" square x 2" depth. True hi-fidelity reproduction of the upper audio range, at a very moderate price. This tweeter handles 20 watts of power and has a response range of 3,000-16,000 cps. Heavy screen protects speaker cone, and back is entirely enclosed. Attractive Satin Gold finish. Comes equipped with rigid mounting bracket and connecting cord attached. Specify 8 ohm impedance and use with crossover network.

Cat. No. CT-1

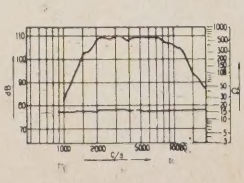
CIRCULAR Hi-Fi HORN TYPE TWEETER



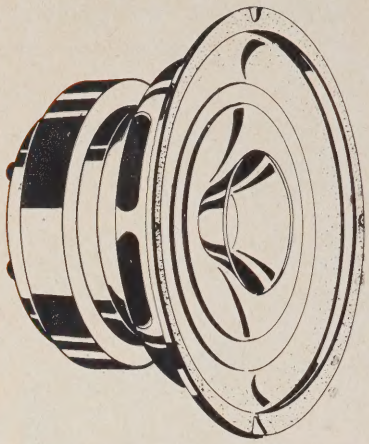
CT-4 is a Horn Tweeter of the highest class for a professional use which is so engineered under a new theory as can reproduce an excellent input perfectly and effect a super Hi-Fi reproduction, almost similar to a live orchestra performance.

Particularly, the voice coil, an oscillating source, is edgewise wound with a ribbon typed aluminum wire, thus giving this instrument a high efficiency as well as a flat response capability up to the supersonic band of above 20,000 c/s. **Cat. No. CT-4**

Frequency Range	1,500~20,000%
Crossover Frequency	2,500%<
Sensitivity	108 dB
Maximum Power	20W
Voice Coil Impedance	8Ω
Total Magnetic Flux	30,000maxwell
Magnetic Flux Density	14,000 gauss
Mounting Diameter	89 mm 3½"
Depth	140 mm 5½"
Net Weight	850g (Lbs) 1.85
Total Packed Weight	1.15kg (Lbs)2.5
Shipping Capacity	0.055 (ft³)



VOLUMETRIC 8" PM DYNAMIC SPEAKER WITH WIZZER

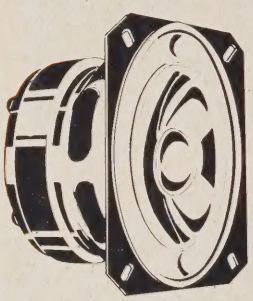


- Ferrite Magnet
- Frequency 30 to 20,000 cps
- 15 Watt 30 Watt Peak

The latest design and more powerful magnet has made this speaker comparable in compliance and amplitude to most larger speakers, voice coil impedance 8 ohms. You will be amazed with its performance. Individually boxed.

Cat. No. S518

VOLUMETRIC 4 IN. SQ. PM DYNAMIC SPEAKER



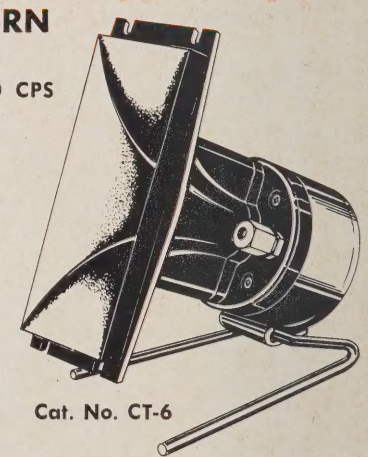
- Ferrite Magnet
- Frequency 35-16,000 cps
- 5 Watt 10 Watt Peak

This speaker has most of the features of the S503 speaker described above. They both have a new type ferrite magnet which is a great deal more powerful than heretofore. Impedance 8 ohms. individually boxed.

Cat. No. S502

RECTANGULAR HORN TWEETER

- RESPONSE 1700 to 20,000 CPS

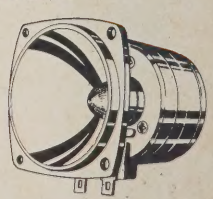


20 watts maximum power. This tweeter gives excellent tonal purity with smooth response from 1,700 to 20,000 cps. Sensitivity is 102 db/w. With a crossover frequency of 3,000 cps provides clean and crisp tone quality from the mid-range frequencies through to the highs. Performs exceptionally well in either a 2-way or 3-way system. Cut-off frequency — 1,500 cps. Voice coil is aluminum wire wound; impedance; 8 ohms. Flux density is 13,500 gauss, 4¾" x 2" horn, 4¾" depth.

Cat. No. CT-6

2" ROUND HORN TWEETER

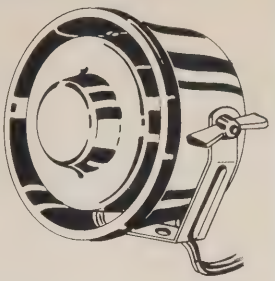
- Response: 2,000 to 20,000 CPS
- Power Capacity: 20 Watts



Ultra compact. For use in systems handling up to 20 watts. Features a 1.5 oz. magnet with flux density of 13,000 gauss. Sensitivity: 100 db Impedance: 8 ohms. Mounting hole size: 2 1/16" dia. Overall size: 2⅛" Round mounting centers 2¼". Work well with 2 or 3 way systems.

Cat. No. CT-5.

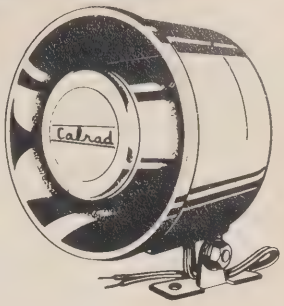
EXTENSION OR PAGING SPEAKER



Weather-proof speaker, Trumpet design gives extremely high sound level with low input power. Hams will find this speaker very useful in their mobile installations. Mounts under the hood or mount on the dash. Because of its sensitivity and high degree of intelligibility, it's ideal for paging systems in restaurants, office buildings, etc. Impedance: 8 ohms. Size: 2⅝" x 3¾" x 2⅜". Has adjustable bracket to mount at any angle.

Cat. No. DH-3

6 INCH WATERPROOF REFLEX SPEAKER



6 WATTS

Waterproof Speaker DH-6 is a cone type reflex speaker. Designed for handling power inputs larger than normally expected from its small size. With the advantage of cone type speakers having better frequency response than horn speaker, the tone quality is specially good and coupled with the waterproof construction, provides superb applications in paging, talk-back and music reproduction indoors and outdoors.

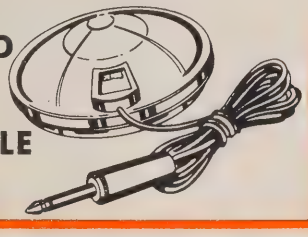
Cat. No. DH-6

"WHISPER" PILLOW SPEAKERS

BONE CONDUCTION PRINCIPLE

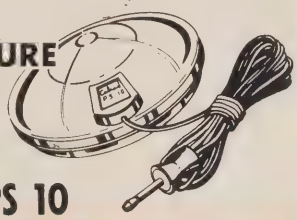
Inaudible except to the user. Low impedance type employing Bone Conduction principle; gives amazing tone fidelity in by-passing the ear, transmitting the sound to the "inner ear" by direct contact. Is not tiring to the user. Connects to the voice coil side of output transformer. Supplied with complete instructions for connection and use.

WITH STANDARD PHONE PLUG 20 FT. CABLE



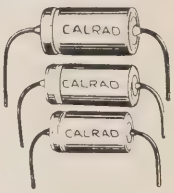
Cat. No. **PS 11**

WITH MINIATURE PHONE PLUG



Cat. No. **PS 10**

NON-POLARIZED ELECTROLYTIC CONDENSERS



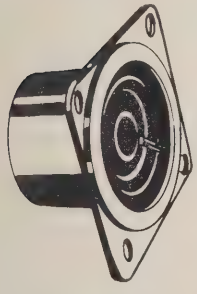
50 volt non-polarized capacitors for use in crossover network circuits.

Cat. No.	Capacity
NP-2	2 MFD.
NP-4	4 MFD.
NP-8	8 MFD.

MINIATURE PM SPEAKERS

A complete line of miniature speakers for all transistor radios and miniature use.

Especially designed for tiny equipment. Amazing tone quality in a small package for transistor and sub-miniature tube applications. Wide response. Precision manufacture. Ideally suited for pocket radios, miniature amplifiers, etc.



PM SPEAKER 1½" SQUARE
1 inch deep.
Cat. No. PM-1½

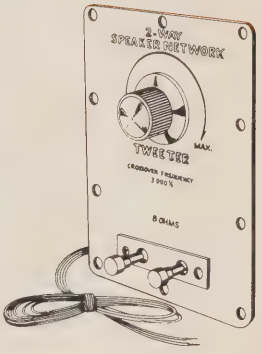
2" PM SPEAKER
2" diameter. 1" deep.
Cat. No. PM-2

2¼" PM SPEAKER
2¼" diameter. 1" deep.
Cat. No. PM-2¼

2½" PM SPEAKER
2½" diameter. 1" deep.
Cat. No. PM-2½

2¾" PM SPEAKER
2¾" diameter. 1" deep.
Cat. No. PM-2¾

2-WAY CROSSOVER WITH LEVEL CONTROL

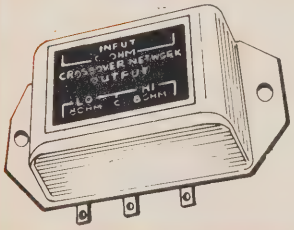


Assembled on sturdy finished metal panel, ready to install on your speaker enclosure. Features high quality L/C type network with tweeter level control. Crossover point, 3000 Hz. Impedance 8 ohms. Convenient push type, sprong-loaded binding posts. Size 4 x 5½" black enameled, gold lettering.

Attached 3 ft. leads.

Cat. No. 840

2-WAY DIVIDING CROSSOVER NETWORK



Compact two way crossover will channel high and low frequencies to proper speakers. High to tweeter and low to woofer. Crossover frequency 3000 cps. Lug terminals 3 inches long x 2 inches wide.

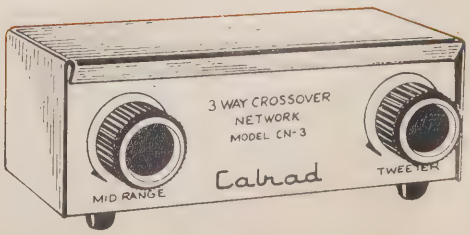
Indiv. Boxed with instructions.

Cat. No. NW-2

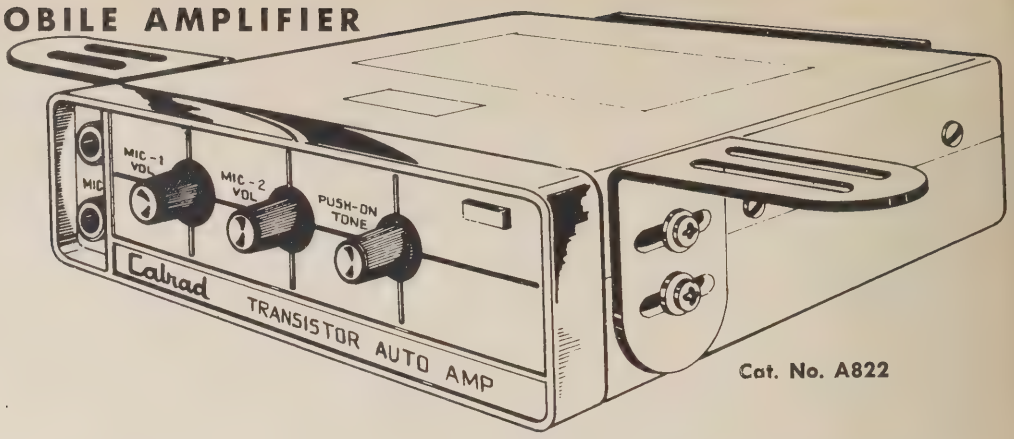
UNIVERSAL DIVIDING 3-WAY NETWORK

For 2 or 3 speaker systems. Two built-in L-pad type adjustments for use in balancing speakers of different efficiencies. Cross points are 500 and 3,300 cps with attenuation of 6 db per octave, styled control panel that will harmonize with the finest Hi-Fi equipment, and allows placement near other control panels. Wiring diagram and instructions for connecting speakers included. Individually packed. 5¾" long, 3¾" wide and 2¾" high.

Cat. No. CN-3



22 WATT 12 VOLT MOBILE AMPLIFIER



Cat. No. A822

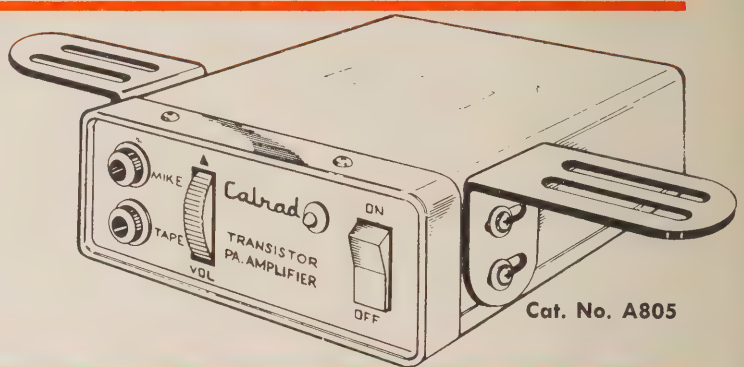
- SOLID STATE
- LOW BATTERY DRAIN
- 2 INPUTS
- EASILY INSTALLED
- COMPACT DESIGN
- NO WARMUP

A transistor P.A. mobile amplifier, operates on 12 volt DC battery in cars, boats, trucks, etc. The ideal unit when real power is required. 2 high impedance electronically independent inputs are provided for mike, tape and phono, with separate volume controls for each input. Other controls, are on-off switch and tone. Output impedance 4-8-16 ohms. Housed in a beautiful trimmed metal case 2" H. x 7" W. x 7½" D. Supplied with fused battery leads, speaker plug, and complete mounting hardware. Can be used with trumpet speakers and suction cup car roof speaker mounting, described below.

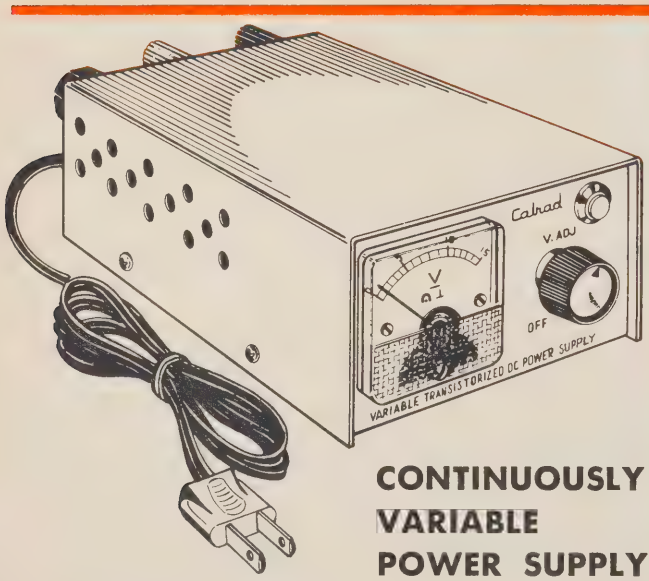
15 WATT MOBILE P.A. AMPLIFIER

- NO WARMUP
- + OR — GROUND
- 12 VOLT OPERATION
- TRANSISTORIZED
- LOW BATTERY DRAIN
- COMPACT: 2" H. x 4" W. x 4¼" D.

A compact solid state amplifier, can be used in any 12 volt car, truck, boat or plane, positive or negative ground. Input is provided for high impedance mike and tape or phono. Output impedance of 4, 8, or 16 ohms. Complete with all mounting hardware, operating instructions, fused battery cables, and speaker plug. Works well with DH-12. Trumpet speakers illustrated above.



Cat. No. A805



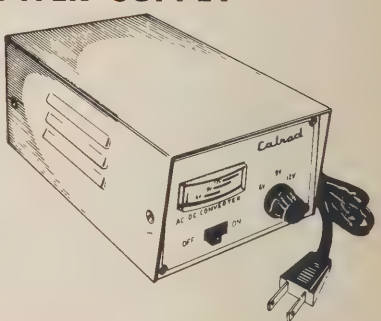
CONTINUOUSLY VARIABLE POWER SUPPLY

0-15 VOLTS "D.C." 1.5 AMP.

Variable transistorized Deluxe 015 volts. Power supply 1.5 amp. D.C. Full wave rectification, filtered, ripple 1 Mv R.M.S. Black crackle finish, 2⅜" high, 4" wide, 7" deep, satin silver panel, 1¾" clear view square meter. Fused, binding posts terminals. Input 85 to 135 V. 60 cps.

Cat. No. P828

6-9-12 VOLT "DC" POWER SUPPLY TRANSISTORIZED 1. AMP.



FOR USE WITH: Radios, Intercoms, Tape-Recorders, Record-Players, Amplifiers, Tuners, Transceivers, Transistorized Appliances, Experiments and etc.

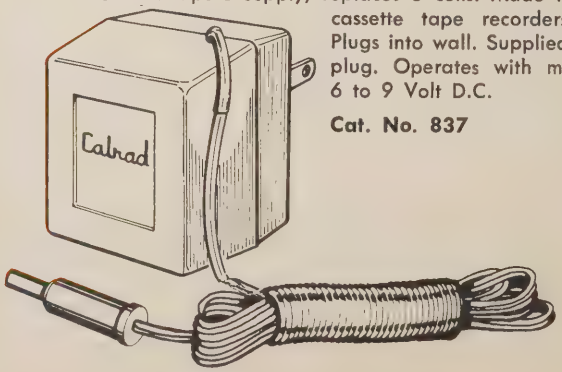
Input Voltage 115 A.C. 50-60 CPS. Output Voltage Variable 6-9-12 Volt. 1 Amp. DC well filtered. Very low ripple. Enclosed in metal case 6" D. x 3½" W. x 2¼" H. Grey crackle finish with brushed silver panel. Has binding post connections and on-off switch.

Cat. No. P-832

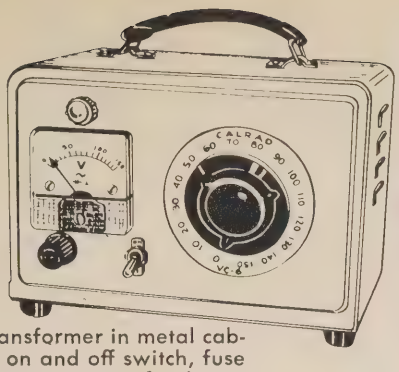
UNIVERSAL 6-7½-9 VOLT 300 MIL POWER SUPPLY

300 Milliampere supply, replaces 5 cells. Made to operate most cassette tape recorders and players. Plugs into wall. Supplied with cord and plug. Operates with many units from 6 to 9 Volt D.C.

Cat. No. 837



CONTINUOUSLY VARIABLE TRANSFORMER 500 WATT

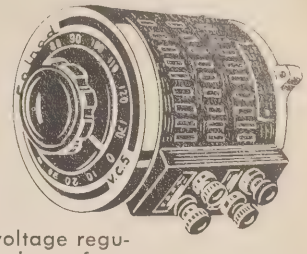


Specifications:
Output is variable 0-150V @ 5 Amp.
Input 115 V. 60 Cps.

Continuously variable line transformer in metal cabinet with 150 volt AC meter, on and off switch, fuse and pilot light, two AC outlets on rear of cabinet. A highly efficient manual operated voltage regulator furnishing adjustable output voltage from AC line. Current ratings apply over full range of output voltage. **Cat. No. VC-6**

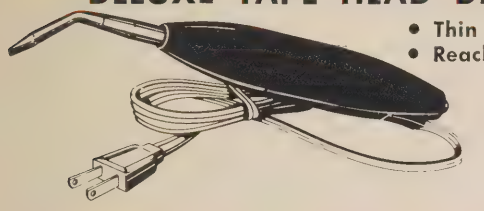
VARIABLE VOLTAGE REGULATOR

OUTPUT VARIABLE FROM 0 TO 130 VOLTS INPUT—115 VOLTS @ 5 AMPS 60 CPS



A highly efficient manual operated voltage regulator furnishing adjustable output voltage from AC line. Output is variable from 0 to 130 volts. Input is 115 volts at 5 amps. Current ratings apply over full range of output voltage.
Cat. No. VC-5

DELUXE TAPE HEAD DEMAGNETIZER

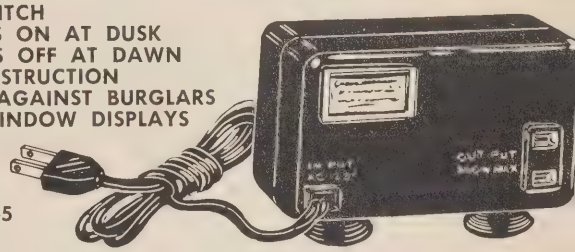


- **Thin Angle Tip**
- **Reaches Hard-To-Get Areas**

A thin, narrow demagnetizer blade will get down closer to the pole surface of the recording head. Protects your tape quality. **Cat. No. TD71**

SILENT WATCHMAN FOTO-EYE PM SWITCH

- **FOTO-EYE SWITCH**
- **TURNS LIGHTS ON AT DUSK**
- **TURNS LIGHTS OFF AT DAWN**
- **RUGGED CONSTRUCTION**
- **PROTECTION AGAINST BURGLARS**
- **IDEAL FOR WINDOW DISPLAYS**

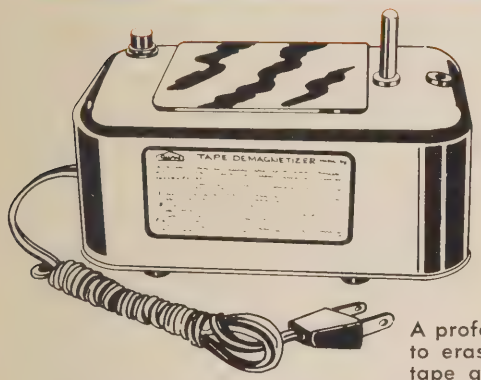


Cat. No. PE-5

No home should be without this ideal burglar protection. Plug a lamp into the SILENT WATCHMAN when you leave home, and the FOTO-EYE will automatically turn the light on at dusk and off at dawn. It's better than a timer — no setting or resetting is necessary. Lighted windows keep intruders away from your home. Turns on lights in store windows; has hundreds of industrial uses. Will mount in any position on NO-MAR suction rubber feet. Modern styling in black and brass. 3¾" x 2¼" x 1¼". 115V AC. 300 watt capacity. Complete with AC line cord.

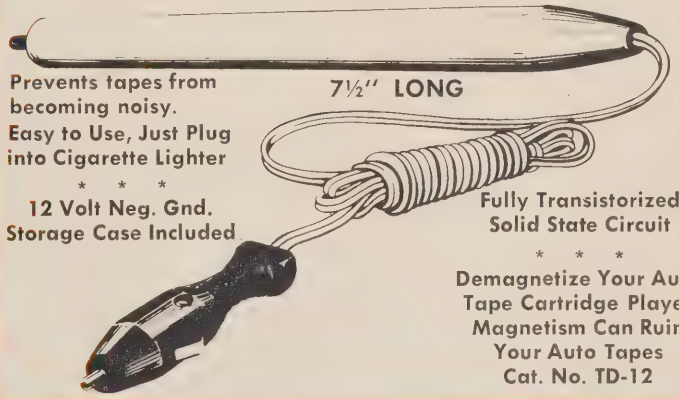
BULK TAPE ERASER

UP TO 10½ INCH REELS



A professional unit designed to erase a complete reel of tape quickly and efficiently. Will lower background noise from 3 to 6 db, permitting improved recordings. Ideal for the hi-fi individual desiring clean, distortion-free performance. Simply place tape reel on spindle of demagnetizer and slowly rotate three or four times. All signals will be removed leaving a completely clean tape. Will also demagnetize tools and all metal parts Will accommodate all tape reels from 3 to 10½". Intermittent Duty: ten minutes on—ten minutes off. Rating: 117 volt AC—5 amp. **Cat. No. BE 5**

CARTRIDGE HEAD DEMAGNETIZER FOR 12 VOLT USE IN AUTO TAPE PLAYERS



Prevents tapes from becoming noisy.
Easy to Use, Just Plug into Cigarette Lighter

* * *

12 Volt Neg. Gnd. Storage Case Included

7½" LONG

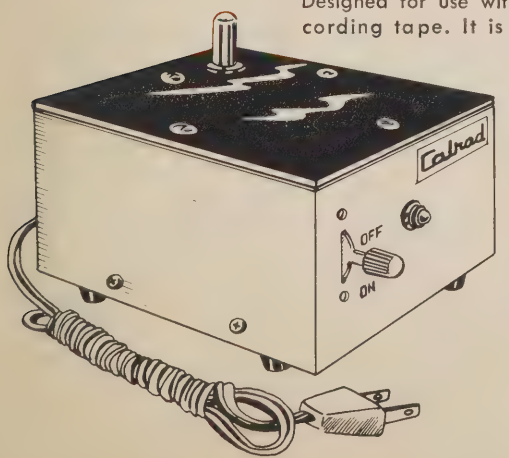
Fully Transistorized Solid State Circuit

* * *

Demagnetize Your Auto Tape Cartridge Player Magnetism Can Ruin Your Auto Tapes
Cat. No. TD-12

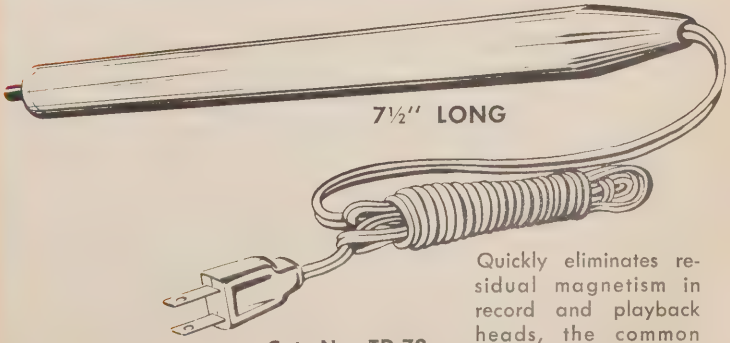
ECONOMY TAPE ERASER

FOR 3"-5"OR 7" REELS



Designed for use with up to 7" reel of recording tape. It is highly recommended for the home recording enthusiast because of the necessity of removing residual tape noise from tapes used over and over again on low cost recorders. It is easy to use, just slowly turn the tape reel on the spindle three or four times. Operates on 115 volts 60 cycles AC. **Cat. No. BE-6**

CARTRIDGE HEAD DEMAGNETIZER FOR HOME TAPE PLAYERS



7½" LONG

Cat. No. TD-72

Quickly eliminates residual magnetism in record and playback heads, the common cause of high noise level in recordings.

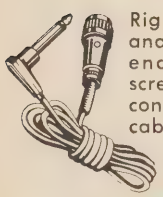
Hi-Fi CABLE ASSEMBLIES

Right angle phone plug one end and right angle RCA type phono plug other end. 72" grey, shielded cable.
Cat. No. TN-2

Right angle phone plug one end and stripped and tinned leads at other end. 72" grey, shielded cable.
Cat. No. TN-3

Right angle RCA type phono plug one end and microphone connector other end. Coupling ring can be screwed back to convert to male connector. 72" grey, shielded cable.
Cat. No. TN-4

Right angle phone plug one end and straight barrel phone jack other end. 72" grey, shielded cable.
Cat. No. TN-5



Right angle phone plug one end and microphone connector other end. Coupling ring can be screwed back to convert to male connector. 72" grey, shielded cable. **Cat. No. TN-6**

Right angle phone plug one end and pair of alligator clips at other end. 72" grey, unshielded parallel cable.
Cat. No. TN-7

Right angle RCA type phono plug one end and straight barrel phone jack other end. 72" grey, shielded cable.
Cat. No. TN-8

Right angle RCA type phono plug and pair of alligator clips at other end. 72" grey, unshielded parallel cable.
Cat. No. TN-9

Right angle phone plug one end and RCA type phono jack other end. 72" grey, shielded cable.
Cat. No. TN-10

72 INCH AUDIO HI FI CONNECTION CABLES
WITH MINIATURE PLUGS

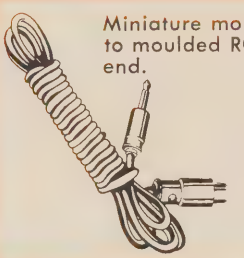
Finest quality shielded silver-grey audio cables, plastic covered. Most ends feature moulded plug or jacks for trouble-free connections. All cables are 72" long. Miniature moulded plugs fit Sony, Concord and 90% of the Japanese tape recorders.

Order by Cat. No.

Individual Skin Packed

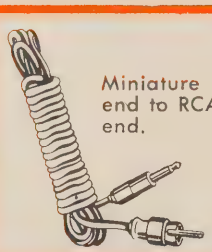
Miniature moulded plug, 72 inch cable with 2 alligator clips on other end. **Cat. No. MP-3**

Miniature moulded plug one end, stripped and tinned other end. **Cat. No. MP-4**

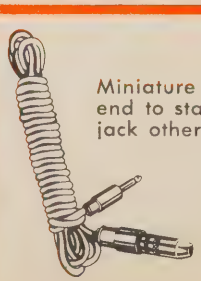


Miniature moulded plug on end to moulded RCA type jack other end. **Cat. No. MP-5**

Miniature moulded plug one end to standard moulded phone plug other end. **Cat. No. MP-6**

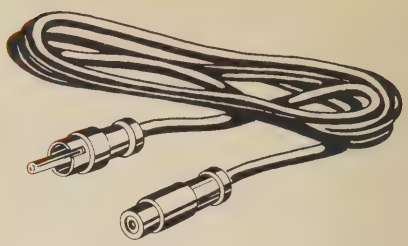


Miniature moulded plug one end to RCA type pin plug other end. **Cat. No. MP-7**



Miniature moulded plug one end to standard shielded inline jack other end. **Cat. No. MP-8**

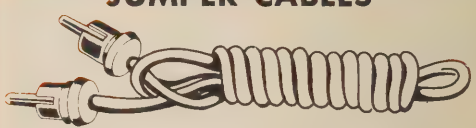
FM EXTENSION CABLES



Connector cables, new style extension cord with insulated RCA type pin plug to RCA type firm grip insulated extension jack. Grey color available in the following sizes:

Cat. No. FM-36; Length: 36"..
Cat. No. FM-48; Length: 48"..
Cat. No. FM-60; Length: 60"..
Cat. No. FM-72; Length: 72".
Cat. No. FM-120; Lgth.: 120"

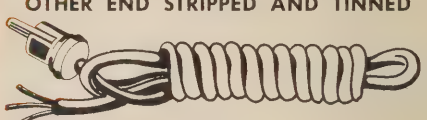
JUMPER CABLES



Male RCA type pin plug both ends

Cat. No. JC-18; Length: 18"..
Cat. No. JC-36; Length: 36"..
Cat. No. JC-48; Length: 48"..
Cat. No. JC-60; Length: 60"..
Cat. No. JC-72; Length: 72"..
Cat. No. JC-120; Lgth.: 120".

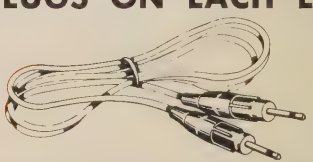
INTERCONNECTING Hi-Fi CABLES
PHONO PIN PLUG ONE END OTHER END STRIPPED AND TINNED



Finest quality shielded, silver grey audio cable. Plug molded directly with polyethylene for a more reliable, trouble-free connection.

Cat. No. JB-20 (20" long) . . .
Cat. No. JB-36 (36" long) . . . .
Cat. No. JB-72 (72" long) . . . .
Cat. No. JB-120 (120" long) . .

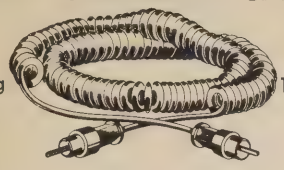
SHIELDED CABLES WITH MINIATURE PHONE PLUGS ON EACH END



Available in 3 lengths. Miniature phone plugs are 9/64" diameter. Cable is silver gray plastic covered.

Cat. No.	Length
MM 36	3 ft.
MM 72	6 ft.
MM 120	10 ft.

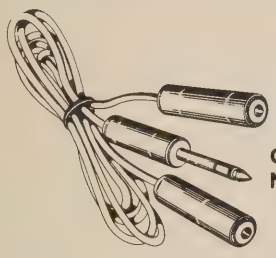
RETRACTABLE COLOR CODED SHIELDED CABLES

3 ft. long  15 ft. long

Available in 6 different colors, 3 ft. and 15 ft. long extended. A molded on phono pin plug conector at each end.

Cat. No.	Extended Length	Color
HF-5	3 ft.	Yellow
HF-6	3 ft.	Black
HF-7	3 ft.	Red
HF-8	3 ft.	Green
HF-9	3 ft.	Gray
HF-10	3 ft.	White
HF-14	15 ft.	Black
HF-15	15 ft.	Red
HF-16	15 ft.	Green
HF-17	15 ft.	Yellow
HF-18	15 ft.	Gray
HF-19	15 ft.	White

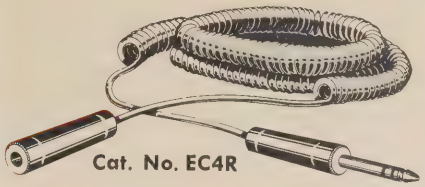
"Y" ADAPTER CABLE FOR DUAL STEREO LISTENING



Cat. No. 839

3 feet long, permits 2 persons to listen to the same program. Two 3 way phone jacks connected in parallel to one 3 way phone plug

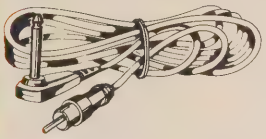
RETRACTABLE STEREO EXTENSION CORD 3 WAY PLUG AND 3 WAY JACK



Cat. No. EC4R

Extends to 20 ft. Enables stereo headphone listening any place in a room. Cord, plug, and jack colored black.

12 FOOT SHIELDED CABLE WITH RIGHT ANGLE PHONE PLUG AND PHONO TIP PLUG

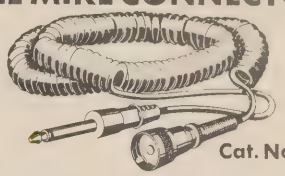


CAT. NO. 857

12 FOOT SHIELDED CABLE WITH MINIATURE PHONE PLUG AND A PHONO PIN PLUG

CAT. NO. 858

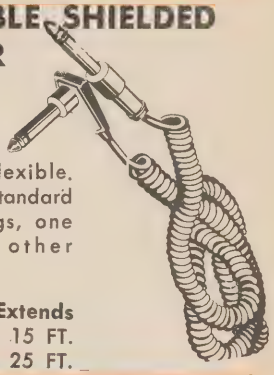
RETRACTABLE SHIELDED CABLE WITH STANDARD PHONE PLUG AND FEMALE MIKE CONNECTOR



Cat. No. 867

12 feet long extended silver gray cable, featuring flexible strain relief connections.

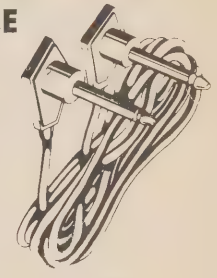
RETRACTABLE SHIELDED CABLE FOR ELECTRIC GUITARS



Extremely flexible. Both ends standard phone plugs, one straight, other angle.

Cat. No.	Retracts	Extends
PP-15R	3 FT.	15 FT.
PP-25R	4 FT.	25 FT.

SHIELDED CABLES WITH 2 RIGHT ANGLE PHONE PLUGS

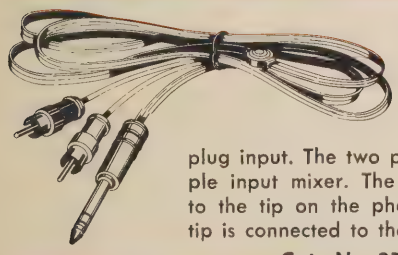


A grey vinyl cover shielded cable with standard right angle phone plugs on each end. Usually used with electric guitars. Can be used with any audio equipment. Available in 3 lengths.

Cat. No. PP-6 6 ft.

Cat. No. PP-25 25 ft.

Cat. No. PP-10 10 ft.

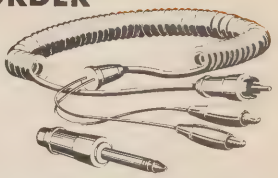


STEREO SHIELDED CABLE ASSEMBLY

Used with stereo tape recorders that require a 3 way phone plug input. The two phono plugs connect to a multiple input mixer. The black phono tip is connected to the tip on the phone plug and the gray phono tip is connected to the ring.

Cat. No. 871

RETRACTABLE TAPE RECORDER PATCH CORD KIT

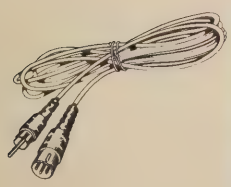


For recording direct from radio, phono or TV. Retractable 72" two conductor cable with attached insulated alligator clips and RCA pin plug. Perfect for direct electrical connection from radio, phono or TV speaker voice coil to input of recorder. Comes with pin plug to phone plug adapter to fit most recorders.

Cat. No. 870

SHIELDED CABLE ASSEMBLIES WITH D.I.N. PLUGS AND PHONO PIN PLUGS AND JACKS

May be used with Phillip, Norelco, Wallensak, Bell and Howell, also other recorders requiring D.I.N. European plugs.

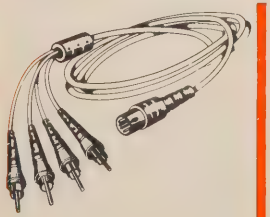


3 pin D.I.N. plug to one phono pin plug 6½ ft. long.

Cat. No. 878

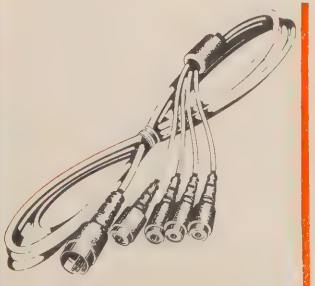
3 pin D.I.N. plug to 2 phono pin plugs 6½ ft. long.

Cat. No. 877



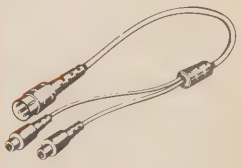
5 pin D.I.N. plug to 4 phono pin plugs 6½ foot long.

Cat. No. 841



Stereo patch card 6½ ft. long with 5 pin D.I.N. plug to 4 phono pin jacks.

Cat. No. 862



3 pin D.I.N. plug to 2 phono pin jacks 12" long.

Cat. No. 879

REMOTE AC SWITCH
15 FT. EXTENSION

RECEPTACLE—SERIES PLUG JUST PLUG-IN

Ideal for turning electrical devices on or off. Has 15' of flexible AC cable with push-button switch on one end and AC plug receptacle on the other. Just plug into wall receptacle and plug appliance into back of plug. No wiring to do.

Cat. No. S-806

CIGARETTE LIGHTER PLUG
Fits All Automotive Lighter Sockets With 32 Inch Leads and Lugs

Run any 6 and 12 volt accessory from cigarette lighter receptacle of your car-battery chargers, shavers, CB radios, trouble lights, etc.

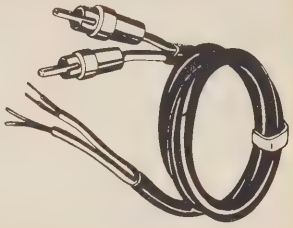
Cat. No. LP-612

SHIELDED STEREO AUDIO CABLES

Audio connector cable. Color coded dual pin plug. Bare other end. Individually packaged.

Cat. No. SAB-36
36" long

Cat. No. SAB-72
72" long



SHIELDED STEREO AUDIO CABLES WITH PHONO PLUG ENDS

Audio connector cable. Color coded dual pin plugs on each end. Individually packaged.

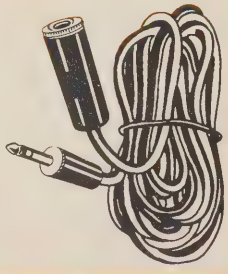
Cat. No. SAT-48
48" long

Cat. No. SAT-72
72" long

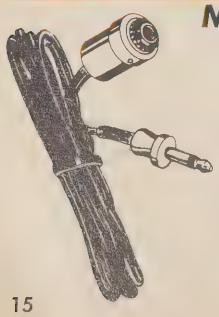
STEREO EXTENSION CORD
3-WAY PLUG & 3-WAY INLINE JACK

20 ft. extension cord with 3 circuit plug and jack will permit listening to your favorite stereo program through your stereo headphones.
Grey covered three conductor plastic cable. One end has 3 circuit plug. Other end has 3 circuit in-line jack.

Cat. No. EC-3



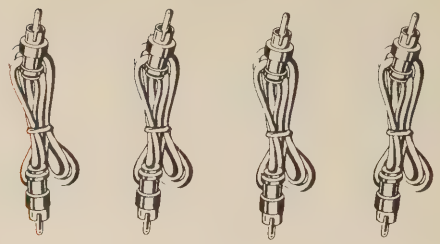
MINIATURE PLUG AND JACK EXTENSION CORD



Extension cord, 9 Ft. long with miniature plug and jack. Used as a listening extension for most Japanese radios.

Cat. No. MPJ

AUDIO CABLE KIT



Consists of 4, 36 inch shielded audio cables with RCA moulded type pin plug on each end. Each kit contains:

1—grey cable
1—red cable
1—black cable
1—green cable

Cat. No. HF-4

Package of 4

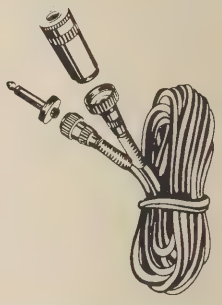
4 CONDUCTOR RETRACTABLE CABLE

- **Extends to 5 Feet**
- **Retracts to 10 Inches**

Grey vinyl overall cover. Has three conductors, one is shielded which act as the fourth conductor. This is the same cable used with our CM-6 ceramic mike, described on page 5 of this catalog.

Cat. No. KK-5

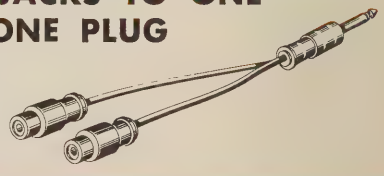
MICROPHONE EXTENSION CABLE KIT WITH TWO ADAPTERS



Twenty-five feet of heavy duty shielded microphone cable with standard microphone connectors on each end. Adapters convert to ¼" phone plug or ¼" phone jack. Flexible cable with rugged vinyl jacket is designed for heavy duty, everyday use. This universal extension cable makes any PA system more flexible.

Cat. No. ME-25

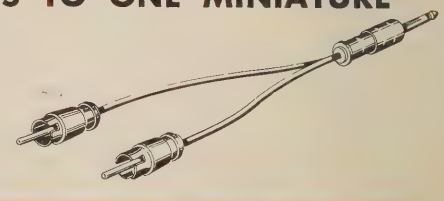
2 PHONO TIP JACKS TO ONE MINIATURE PHONE PLUG



A "Y" shielded adapter that converts two inputs to one input.

Cat. No. JC-5

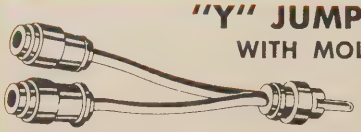
2 PHONO TIPS TO ONE MINIATURE PHONE PLUG



A "Y" shielded adapter that parallels 2 phono tip plug to one miniature phone plug.

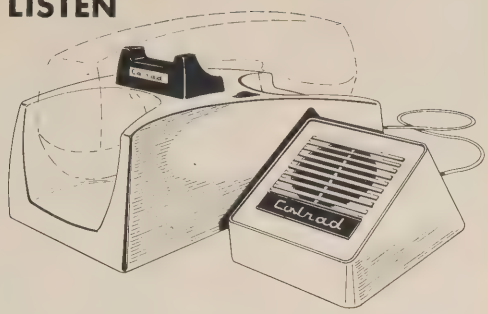
Cat. No. JC-6

"Y" JUMPER CABLES
WITH MOLDED ENDS



Cat. No. JC-2 . . . . 1 RCA pin plug to 2 RCA Phono jacks

TELEPHONE AMPLIFIER TALK AND LISTEN



Place the phone over the speaker cradle. Both parties voices are amplified through the extension speaker. Control adjusts incoming voice volume for group monitoring. Ivory-only
Operates on 4 1½-volt penlite cells. Less batteries.

Cat. No. 868

SOLID STATE TELEPHONE INTERCOM

- Offers Many Conveniences
- Low Battery Drain
- Batteries Enclosed
- Only 2 Wire Cord Required

Powerful solid state circuitry transmits your voice over distances. No current drain in the normal "Standby" position. Separate "Call" and "Push-to-talk" buttons conveniently located on the handset. Each handset is equipped with a 5 foot retractable cord, junction box, and a wall bracket. 2 penlight cells required for each handset, not supplied.

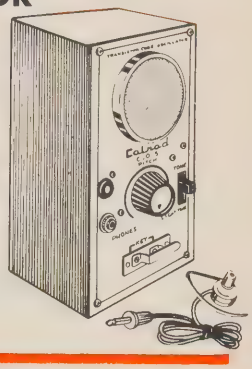
Cat. No. P-501

TRANSISTORIZED EARPIECE TELEPHONE AMPLIFIER

Straps on receiver of telephone fits all standard telephones, no wiring to telephone, excellent aid for hard of hearing. Built in volume control, helps overcome background noise. Can be carried in pocket, and used on all standard telephones. Complete with instructions and battery.

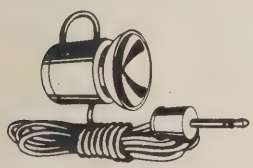
Cat. No. 875

CODE PRACTICE OSCILLATOR WITH EARPHONE AND BATTERIES



Battery operated transistor audio oscillator. Earphone may be plugged in which automatically cuts out loudspeaker. Has built-in key; also external key terminals are provided on front panel. Tone freq. range: Approx. 500 to 2,000 cps continuously variable. Satin finish, deep etched aluminum panel. Operates on tone or light separately or together. Earphone with cord and plug and batteries included. Size. 6½ x 3¾ x 3¾. **Cat. No. CO-5**

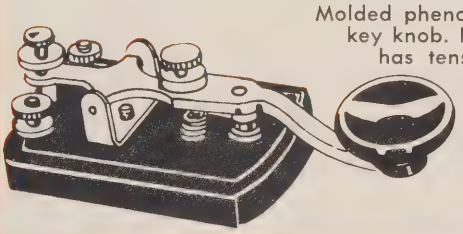
MINIATURE TELEPHONE PICK-UP COIL WITH PHONE PLUG



New miniature type telephone pick-up coil with suction cup attached. Makes possible the recording of phone conversation from most telephones into a tape recorder or mike amplifier. Highly sensitive magnetic induction coil, picks up both ends of a telephone conversation. Conveniently attaches to rear of telephone on side of ringer box by suction cup attached to pick-up. Complete with 40 inch cable.

Cat. No. TC-3

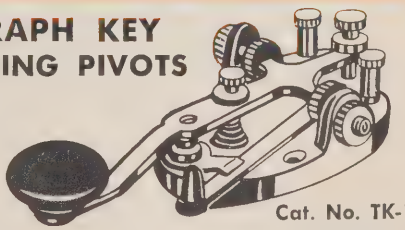
TELEGRAPH KEY



Molded phenolic base and full size key knob. Key arm is adjustable, has tension spring and easy action bearing pivots. All metal parts plated — ⅛" silver contacts. Standard size key has base 3¼"x1⅞" wide; 5" long.

Cat. No. TK-10

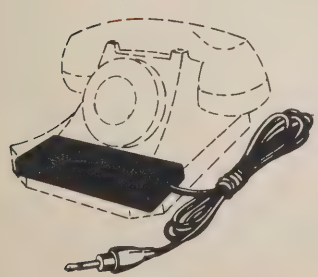
BRASS TELEGRAPH KEY WITH BALL BEARING PIVOTS



Cat. No. TK-11

A precision made key designed for hard usage. Heavy brass base, smooth ball bearings for good keying, strong tension and contact clearance adjustments; 3/16" silver contacts. Closed circuit switch.

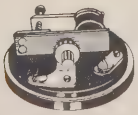
FLAT TELEPHONE PICK-UP COIL WITH PHONE PLUG



For recording or amplifying both sides of telephone conversation. No connections to telephone. Pickup is by magnetic induction—just place it under desk phone or lay on ringer box of wall phones. Highly sensitive—takes the place of a mike for complete pickup of phone conversations. Size: 4½" x 1½" x ¼" thick. Packed individually.

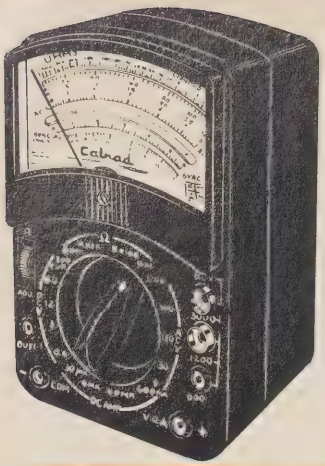
Cat. No. TC-1

HIGH FREQUENCY BUZZER



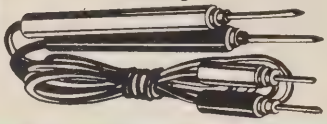
Produces steady high frequency signal. Excellent for code practice. Screw control for adjusting pitch and volume. Used with standard 1½ volt battery. Less Battery.

Cat. No. CB-1.5



DELUXE VOLT-OHM MILLIAMETER
EXTRA SENSITIVE 50,000 OHM PER VOLT
MIRRORED SCALE
ELIMINATES PARALLAX

DC Volts: 0-0.6-3-12-60-300-3,000
AC Volts: 0-6.-30-120-300-1200
DC Current: 0-20 UA.-6-60-600 MA.
Resistance: 0-10K; 1 Meg.; 10 Meg.; 100 Meg.
***Mid-Ranges:** 60 6K 60K 600K
Decibels: —20 to +63 db
*Reading at center of scale.



A deluxe accurate highly sensitive instrument having many features required in testing modern electronic equipment. A 20 UA D'Arsonval meter and 1% precision resistors are used. Sensitivity 50,000 ohms DC and 15,000 ohms AC per volt. Mirrored scale and easy to see knife edge pointer totally eliminates parallax, so that all readings are precise. It is of sturdy compact construction. Enclosed in a black plastic case 6" H. x 3¾" W. x 1½" deep. Furnished with test leads, instructions and batteries.
Cat. No. TK-501

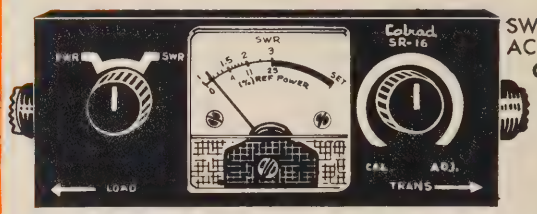
PRECISION VOLT-OHM-MILLIAMMETER
30,000 OHM PER VOLT

- 30,000 Ohms per Volt DC
- 15,000 Ohms per Volt AC

DC Volts: 0-3-12-60-300-600-1200
AC Volts: 0-6-30-120-1200
DC Current: 0-30 UA.- MA.-300 MA.
Ohms: 0-16,000-160,000-1.6 Meg.-16 Meg.
***C.S.:** 100 1K 10K 100K
Expanded Low End Scale.
Decibels: —20 db to +63 db (5 ranges)
*Reading at center of scale.

This Volt-Ohm-Milliammeter is a precision laboratory instrument. D'Arsonval movement, precision scale, and crystal clear high-impact plastic face combine to give maximum accuracy and instant readability. Precision resistors used throughout. Furnished with batteries, test leads, and instructions. Dimensions: 5½" high x 1¾" deep x 3½" wide. **Cat. No. TK-301**

STANDING WAVE BRIDGE METER

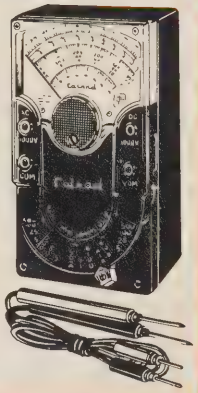


SWR: 1 : 1 to 1 : 10
ACCURACY: 5%
Cat. No. SR-16

The model SR-16 is a handy, compact device for the amateur radio station in checking transmitters operation. For SWR measurements it uses the bridge method of comparing the power supplied to and reflected from the antenna system. The operation is simple, and accurate matching of the transmitter to the antenna can be done quickly. Continuous monitoring of the transmitter output is possible by having the instrument in the circuit at all times. Impedence: 52 ohms. Indicator: 100 DC Microammeter. Dimensions: 6 x 2 x 2⅞ inches.

POCKET-SIZED MULTIMETER

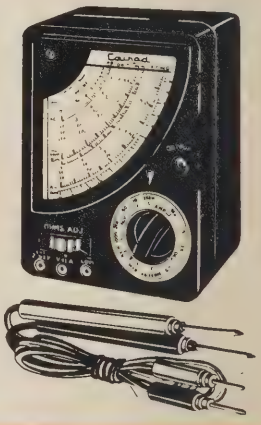
DC Volts: 0-5-25-100-500-1000
AC Volts: 0-5-25-100-500-1000
DC Current: 0-50 UA.-5 MA.-50 MA.-500 MA.
Ohms: 0-6,000-600,000-6 Meg.-60 Meg.
***Center Scale:** 30 Ohm 3K 30K 300K
Expanded Low End Scale
Decibels: —20 db to +62 db (5 ranges)
20,000 Ohms per Volt DC
10,000 Ohms per Volt AC
*Reading at center of scale.



Pocket multimeter designed for accuracy. Crystal clear high impact plastic front gives full scale view. Dimensions: 4¾" high x 3" wide x 1¼" deep. With precision 50 UA D'Arsonval movement. Each unit is supplied with batteries, test leads and instructions.
Cat. No. TK-201

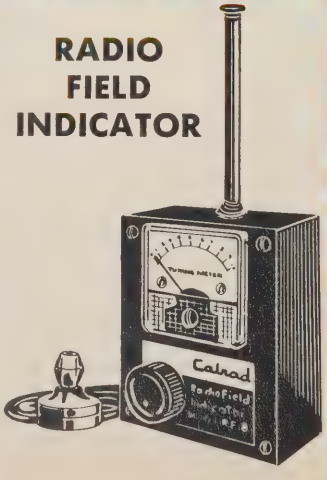
20,000 OHM PER VOLT MULTIMETER

DC Volts: 0-10-50-250-1000
AC Volts: 0-10-50-250-1000
DC Current: 0-250 MA., 0-50 UA.
Ohms: 60,000-6 Meg.
DB: —20 to +22



Features a new 3½" easy reading scale and 20,000 ohm per volt sensitivity. Features include a 50 microamp D'Arsonval meter movement and precision resistors throughout. Molded bakelite case is 4½" high, 3¼" wide, 1" deep. Furnished with test leads, instructions and battery.
Cat. No. TK-202

RADIO FIELD INDICATOR

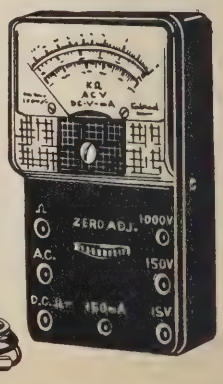


Handy sensitive compact field strength meter. Requires no battery to use. R.F. rectified by crystal diode. Rectified current is indicated on meter. Excellent for use on mobile, marine or fixed station.
Powerful magnet on base of instrument for attaching to any steel surface.
Sensitivity of field meter can be controlled by panel control antenna length, or increasing distance from the radiator. Can also be used as a phone monitor with crystal earphone supplied. Individually boxed with instructions.
Cat. No. RF-8

CLEAR PLASTIC-FACE MULTI-TESTER
1,000 OHMS PER VOLT

1,000 ohms per volt pocket-size, compact, ultra sensitive, precision tester (not a kit). Small in size but excellent in performance for testing electronic circuits or electrical appliances. 1% precision resistors assure precise readings on all scales.

AC-DC Volts: 0-15, 0-150, 0-1000
DC Current: 0-150 MA.
Resistance: 0-100,000 Ohm.



Sensitive moving coil type meter, zero adjustment, control thumb operated. Pin jacks for all ranges. Bakelite case 4 x 2⅛ inches. Test leads, self contained battery and instructions.
Cat. No. TK-30C

100,000 OHM PER VOLT MULTIMETER MIRRORED SCALE ELIMINATES PARALLAX-A NECESSITY FOR TRANSISTOR CIRCUITS

Our new model TK100K offers you a broader range of operational advantages than any other tester in its price range.
Overload protected by dual silicon diodes. Double-jewelled 2% meter 1% temperature-stabilized resistors
A wide easy to read mirrored scale, single control range selection. Twenty seven ranges for current, voltage and resistance at your fingertips.
Full meter protection includes diode protection for meter movement.
Includes complete operating instructions.

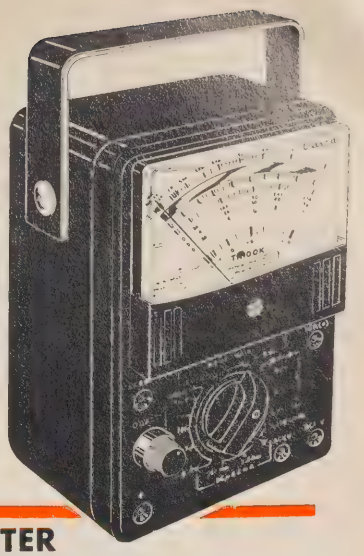
DC volts: .5, 2.5, 10, 50, 250, 500, 1000
AC volts: 2.5, 10, 50, 250, 1000
DC current: 10uA, 250uA, 2.5 MA, 25MA, 250 MA, and 10AMP.

Resistance: 0-20K — 200K — 2 Meg. — 20 Meg.
*Mid Range: 160 1600 16,000 160,000
Decibles: —20 to +62 5 Ranges.

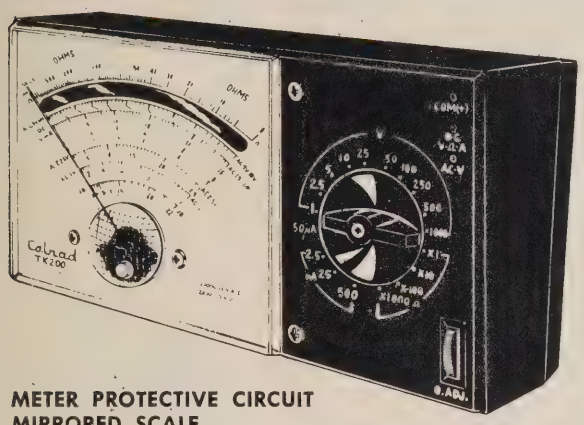
*Reading at Mid Scale

DC volt sensitivity 100,000 OHMS per volt
AC volt sensitivity 12,500 OHMS per volt

Cat. No. TK-100K



20,000 OHM PER VOLT MULTIMETER



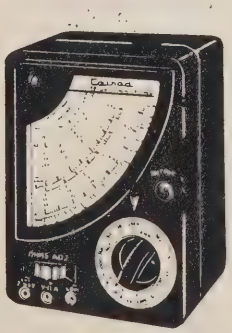
- METER PROTECTIVE CIRCUIT
- MIRRORED SCALE
- AC AND DC VOLTS 20,000 OHMS

AC AND DC VOLTS

0-1, 2.5, 5, 10, 25, 50, 100, 250, 500 and 1000
DC CURRENT: 0-50 ua., 2.5 ma., 25 ma., 500 ma.
RESISTANCE: 0-5K, 50K, 500K and 5 Meg.
DECIBELS: —20 to +22 DB

A highly sensitive tester that is suitable for a wide range of measurements. Features rugged construction and mirrored scale to insure higher accuracy. Features 4" mirror scale and expanded low ohm scale. Mid scale reading for resistance are; 50 ohms, 500 ohms, 5000 ohms and 500,000 ohms. Size: 7¼" W x 4" H x 1½" D.
Cat. No. TK-200

4,000 OHM PER VOLT MULTITESTER



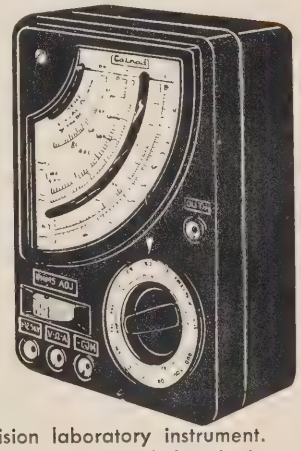
DC Volts: 0-5-25-125-500-2500 (4,000 ohms per volt)
AC Volts: 0-10-50-250-1000 (2,000 ohms per volt)
DC Current: 0-250 UA. - 0-250 MA.
Resistance: 0-10K - 0-1 Meg.
Mid-Scale: 60 Ohm-6.5K Ohm
Decibels: —20 to +22 db

An economical volt-ohm milliammeter with 3½" scale. Features an expanded resistance scale that enables accurate low ohm readings. Uses 250 UA D'Arsonval meter movement. Molded plastic case 4½" H. x 3¼" W. x 1" deep. Furnished with test leads, instructions and battery.

Cat. No. TK-401

VOLT-OHM-MILLIAMETER 30,000 OHM PER VOLT MIRRORED SCALE

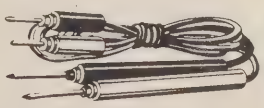
- DC VOLTS: 0-5-25-50-250-500-2500
- AC VOLTS: 0-10-50-100-500-1000
- DC CURRENT: 0-50 ua., 0-2.5 ma., 0-250 ma.
- OHMS: 0-60K, 0-6 Meg.
  *C.S. 500 50K
- EXPANDED LOW OHM SCALE
- DECIBELS: —20 DB to —22 DB
  *READING AT CENTER OF SCALE

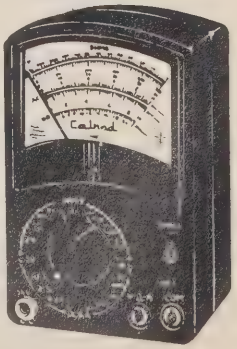


This Volt-Ohm-Milliammeter is a precision laboratory instrument. 30 ua D'Arsonval movement, precision scale and crystal clear high-impact plastic face combine to give maximum accuracy and instant readability. Precision resistors used throughout. Furnished with batteries, test leads, and instructions. Dimensions: 5½" high x 1¾" deep x 3½" wide.
Cat. No. TK302

20,000 OHM PER VOLT VOLT-OHM MILLIAMMETER EXPANDED LOW OHM SCALE

DC Volts: 0-2-5-10-50-250-500-5,000 (20,00 ohms per volt)
AC Volts: 0-10-50-250-1000 (10,000 ohms per volt)
DC Current: 0-50 UA.-5-50-500 MA.
Resistance: 0-12K - 120K - 1.2 Meg. - 12 Meg.
*Center Scale: 60 600 6K 60K
Decibels: —20 to 62 db
*Reading at center of scale.

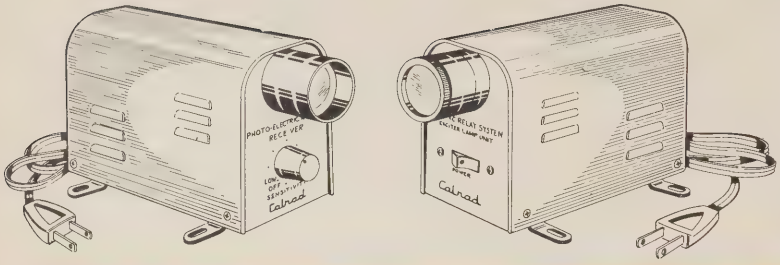




New volt ohm milliammeter with precision low current, low ohms, and low voltage ranges. Ideal for transistor applications, checking relay circuits. Precision resistors on all ranges, assure maximum accuracy. Shock resistant ebony black bakelite case, large clearly marked 3" scale. Overall dimensions 5½" high x 3⅜" wide x 2¾" deep. Furnished with test leads, instructions and battery.

Cat. No. TK-203

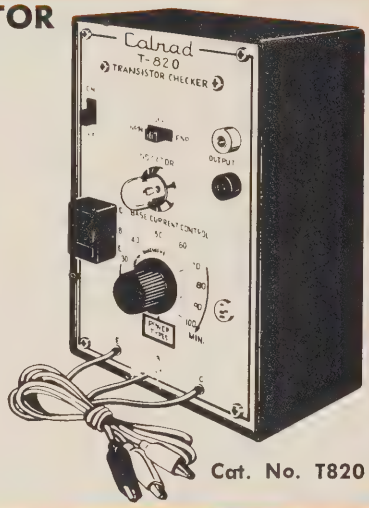
PHOTO-ELECTRIC EYE SYSTEM WITH INFRA-RED FILTER BUILT-IN RELAY SWITCHING INCLUDES LIGHT SOURCE



An exceptional warning or counting system. Can be connected to signal persons entering a room, counting people, merchandise or function as an effective alarm system to warn off intruders. Has convenient variable sensitivity control and off-on switch for intermittent alarm operation. Includes light source and receiver. Size of each unit, 6" x 4½" x 3". Operates on 110 to 120 volts AC, 50/60 cps.

Cat. No. 880

DYNAMIC TRANSISTOR CHECKER



- TESTS IN CIRCUIT
- TESTS OUT OF CIRCUIT
- IDENTIFIES PNP AND NPN TYPES

Checks electrode open circuits, short circuits and current gain. Provides reliable tests at collector currents of from 5 ma. to 50 ma. or more on power transistor. Size 3¾" x 6¼" x 2½".

Cat. No. T820

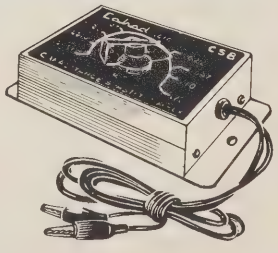
SIGNAL TRACER

SIGNAL TRACER

Makes service problems easy to locate. Permits audible signal tracing of RF, IF and audio circuits. Easy to operate stage-by-stage tracing of signal from antenna through audio. Has solid state circuit with 4 transistors. Built-in 2 inch speaker with volume control.

Comes with 9 V. battery, test leads and instructions. Black plastic case with aluminum panel. Size 5 x 2⅝ x 1½" D. **Cat. No. T815**

RESISTANCE SUBSTITUTION BOX

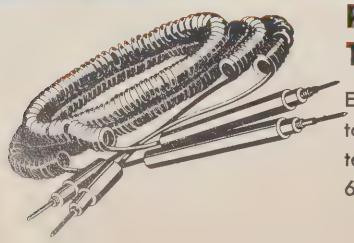


Resistor substitution unit in handsome box. Dual range.

Low—15-10K ohms.
High—15K-10 meg.

Red and black insulated alligator clips 36" long. Easy to find resistance needed in most electronic circuits by rotary switches in two ranges indicated on panel of box. Fast and accurate for trouble-shooting resistors which may have changed in value or burned out. Size: 4¾ x 2⅝ x 1⅝ inches.

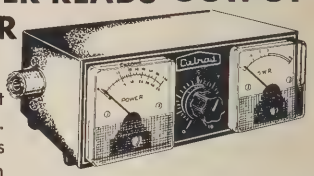
Cat. No. RSB



RETRACTABLE TEST LEADS

Extends to 96 inches, retracts to 16 inches. 1 ea. phone tip test prods Red and Black are 6 feet long. **Cat. No. 848**

SWR AND POWER METER READS OUTPUT AND REFLECTED POWER SIMULTANEOUSLY



A highly efficient meter. Reads output and reflected power at the same time. Easy-to-read heavy black numbers scaled for quick, exact readings. Can be used for reference power meter. Dual 100-microamp meter movements. Low insertion loss. May be left in line, up to 2000 watts. Good through 175 MHz. Gray enameled metal case. Size: 4¾" long x 2¼" high x 2½" deep.

Cat. No. 855

HOME APPLIANCE AND AUTO TESTER

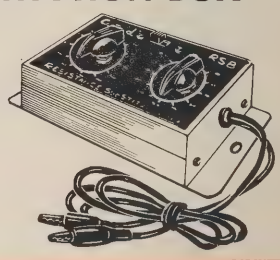
FOR CHECKING:	RANGES
• Auto Electrical Systems	DC Volts: 0-7.5-15-150-300
• Home Appliances	AC Volts: 0-150-300
• AC Line Voltage	Ohms: 0-1000
• Power Consumption	Current: 0-15 Amps
• Resistance	Power: 0-1.5 KW

Versatile instrument designed for use by mechanics, home owners, electronic technicians or hobbyists. Simple to operate but gives accurate general-purpose measurements. Large 3" two-color scale. Separate leakage indicator light at top of scale. Ohms adjust control and range selector switch are only two controls on front panel. Durable black plastic case with brushed aluminum front plate and wide-view plastic meter cover. Overall: 6¼" high x 3¾" wide x 2½" deep. Individually boxed with test leads and complete instructions.

Cat. No. 859

CAPACITANCE SUBSTITUTION BOX

Condenser substitution box with 9 ranges from .0001 to .22 mfd. Fast selection of any one of 9 ranges is available, and all condensers are of the moisture proof tubular type rated at 600 volt. Complete with 36 inch red and black test leads with alligator clips. Size: 4¾ x 2⅝ x 1⅛ inches. **Cat. No. CSB**



INSULATED COLOR CODED ALLIGATOR TEST LEAD CLIP SET

SET OF 10

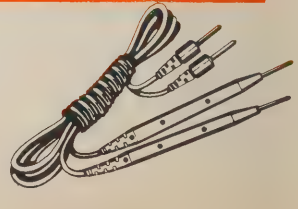
Consists of 10 leads, 15" long, clip to clip. Plastic insulated alligator test slip on each end . . . 2 each of 5 colors.

Cat. No. AL-10

60 INCH TEST LEAD EXTRA FLEXIBLE

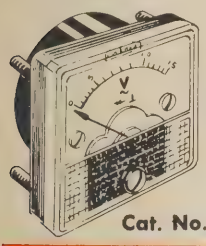
Both the test prods and the plug tips have flexible strain reliefs to minimize breakage at these points.

Cat. No. T830



CLEAR PLASTIC FACE PANEL METERS

D'Arsonval type movement panel meters with 1⅝" square face plastic case. Meters fit into 1½" diameter hole in panel; pointer and dial protected by clear glass. These meters are calibrated to be accurate within 2%. Have zero set screw adjustment. Will enhance the looks on any equipment on which it is used.

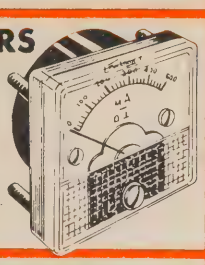


"AC" VOLTMETERS

Range
0-15
0-150

Cat. No. CCO-38

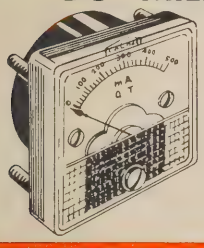
"DC" VOLTMETERS



Range
0-15
0-30
0-200
0-300
0-500
Specify Range

Cat. No. CMO-38-1

"DC" MILLIAMMETERS



Range
0-1
0-10
0-100
0-200
0-300
0-500
Specify Range
Cat. No. CMO-38-2

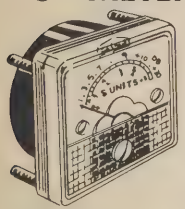
"DC" MICROAMMETERS

Range	
0-50	0-500
0-100	50-0-50
0-200	Specify Range
	Cat. No. CMO-38-3

"DC" AMMETERS

Range
0-10 amp DC
0-30 amp DC
Cat. No. CMO-38-4

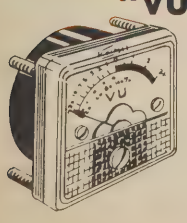
CLEAR FACE "S" METER



Gives accurate measure of signal strength. A necessity for the amateur operator and SW listener, for giving signal reports and tuning receivers. Meter has a basic movement of P-1 MA. Calibration is from 0 to 9 "S" units, +10 to +30 db, and full scale value of 1 MA. is divided equally from 0 to 5 and 0-10 on dial face.

Cat. No. CSO-38

"VU" METER



CLEAR PLASTIC FACE
VU meter-calibrated and damped in accordance with standard VU meter practice. Upper scale reads —20 to +3 VU. Lower scale reads 0-100% modulation. Accurate within 2%. Have zero set screw adjustment. **Cat. No. CVO-38**

2 INCH EDGEWISE BALANCE & TUNING METER

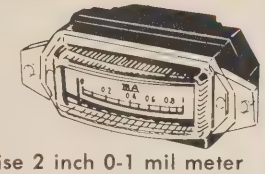
Clear view edgewise 2 inch "Balance" meter for exact stereo tuning. Pointer at center of scale indicates zero or null position which offers pertect visual balance for stereo performance. Precision movement, moving coil nuclear magnetic steel type. Zero set screw adjustment.

Specifications:

Current Sensitivity	100 UA
Mounting Centers	2 9/16 in.
Overall Depth	1⅜ in.
Overall Height	⅞ in.
Back of Panel	1 in.

Cat. No. EW-2B — Balance Meter

2 INCH EDGEWISE 0-1 MILLIAMP

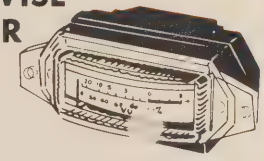


Clearview edgewise 2 inch 0-1 mil meter containing precision nuclear magnetic steel movement of the moving coil type. Accurate within 2%. Zero screw adjustment. Edgewise meter permits new design of panel layouts.

Internal Res.	100 ohms
Mounting Centers	2 9/16 in.
Overall Depth	1⅜ in.
Overall Height	⅞ in.
Back of Panel	1 in.

Cat. No. EW-2-(0-1 MA)

2 IN. EDGEWISE "VU" METER

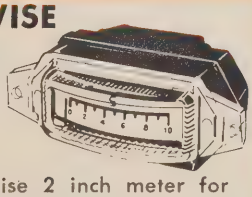


Clearview edgewise 2 inch VU meter calibrated and damped in accordance with standard VU meter practice. Upper scale reads —20 - +3 VU. Lower scale reads 0-100% modulation. Accurate within 2%. Precision movement, moving coil nuclear magnetic steel type. Zero screw adjustment.

Mounting centers	2 9/16 in.
Overall Depth	1⅜ in.
Overall Height	⅞ in.
Back of Panel	1 in.

Cat. No. EW2-VU Meter

2 IN. EDGEWISE "S" METER

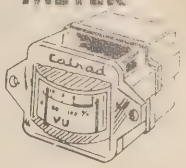


Clear view edgewise 2 inch meter for accurate measurement of signal strength. Calibration: 0-10 "S" units, +10 to +30 db. Relative power output. Precision movement, moving coil nuclear magnetic steel type. Zero set screw adjustment.

Current Sensitivity	1 MA. full scale
Int. Resistance	150 ohm nominal
Mounting Centers	2 9/16 in.
Overall Depth	1⅜ in.
Overall Height	⅞ in.
Back of Panel	1 in.

Cat. No. EW-2—"S" Meter

3/4 INCH "VU" METER

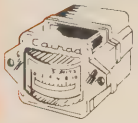


VU meter calibrated and damped in accordance with standard VU meter practice. Upper scale reads —20 - +3 VU. Lower scale reads 0-100% modulation. Precision movement, moving coil nuclear magnetic steel type.

Mounting Centers	1 3/16 in.
Overall Height	⅞ in.
Back of Panel	¾ in.

Cat. No. EW.75 VU

3/4 INCH "S" METER



¾ inch meter for measurement of signal strength. Calibration 0-10 "S" units. Precision movement, moving coil nuclear magnetic steel type. With instructions.
Cat. No. EW.75-S

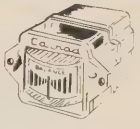
Current Sensitivity	400 UA. full scale
Internal Resistance	410 ohm nominal
Mounting Centers	1 3/16 in.
Overall Height	⅞ in.
Back of Panel	¾ in.

3/4 INCH FM TUNING METER

Can be connected between radio detector and AF amplifier. The indicator will rest in the center when station is tuned in.
Cat. No. EW.75-FM

Sensitivity	100 UA.
Internal Resistance	410 ohms nominal
Mounting Centers	1 3/16 in.
Overall Height	⅞ in.
Back of Panel	¾ in.

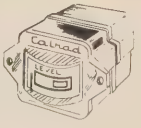
3/4 INCH BALANCE METER



Current Sensitivity	100 UA
Mounting Centers	1 3/16 in.
Overall Height	⅞ in.
Back of Panel	¾ in.

"Balance" meter for exact stereo tuning. Pointer at center of scale indicates zero or null position which offers perfect visual balance for stereo performance. Precision movement, moving coil nuclear magnetic steel type. **Cat. No. EW.75-B**

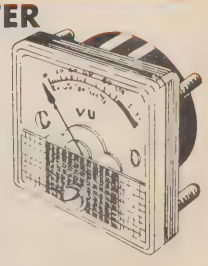
3/4 INCH LEVEL METER



Sensitivity	130 UA.
Internal Res.	410 ohms nominal
Mounting Centers	1 3/16 in.
Overall Height	⅞ in.
Depth Behind Panel	¾ in.

A level meter which will indicate relative audio levels for tape recorders, FM sets or transistorized audio equipment.
Cat. No. EW.75-L

3 IN. "VU" METER CLEAR FACE



Model CVU-3, Calrad 3" volume meter calibrated in standard —20 to 3 VU and 0 to 100% ranges. 10K ohm internal resistance. "O" VU is 1.225 volts AC across meter connected to 600 ohm source. Housed in clear plastic case 3⅜" x 3 1/16". **Cat. No. CVU-3**

STEREO "FOAM CUSHION" HEADPHONES

FREQUENCY RESPONSE 25-17,000 CPS

Enjoy private listening of your favorite stereo programs with these fine headphones. Headband is leather padded; phones are rubber cushioned with velvet covering. Cushioning covers entire ear to keep external noise out and provides complete channel separation. Gives illusion of "being right there." Impedance; 8 ohms. With 5½ foot cord terminating in ¼" phone plug. May be used with any amplifier, stereo or monophonic.

Cat. No. HP-1

PROFESSIONAL STEREO HEADSET WITH RETRACTABLE CORD

Individual miniature volume control on each headphone provides perfect balance. Each headphone padded for comfort with adjustable headband. Luxurious listening for private or control room use. This stereo headset provides new adventure in music reproduction. Designed by acoustic engineers. Light weight due to use of miniature precision parts which are assembled with careful skill.
Complete with 6 ft. retractable cord, 3 circuit phone plug.

Freq.—25 to 18,000 cps
Imped.—8 ohms each phone
Cat. No. HP3R

STEREO HEADPHONES WITH TWEETERS

Best looking, best performing stereo headset we've seen! Finely finished in light gray overall. Workmanship and appearance belie the exceptionally low price! Fully adjustable with soft padded ear cushions, makes private listening a real pleasure. Room noises are shut out. Tweeter level controls on each phone. Response 30-18,000 cps. 8 ohm. 7 ft. cord with 3 circuit plug.

Cat. No. H.P. 5

RADIO TYPE LIGHTWEIGHT HEADPHONES HIGH IMPEDANCE 2,000 OHMS

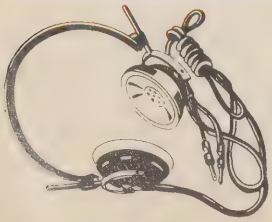
2,000 ohms—general use headset. Black and Ivory plastic cased electro-magnetic units with adjustable head-band for comfortable fit. Individual listening for all types of applications. Packaged individually, with flexible cord attached.

Cat. No. RH-20

RADIO TYPE LIGHTWEIGHT HEADPHONES HIGH IMPEDANCE 4,000 OHMS

4,000 ohms—general use headset. Black and Ivory plastic cased electro-magnetic units with adjustable head-band for comfortable fit. Individual listening for all types of applications. Packaged individually, with flexible cord attached

Cat. No. RH-40



8 OHM HEADSET LOW IMPEDANCE

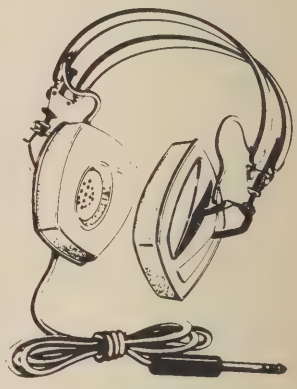
A lightweight headset designed to match the output transformers of T.V. sets or radios. Headband is adjustable.
Cat. No. RH-8

HIGH IMPEDANCE STEREO HEADSET

CUSHIONED FOR COMFORT

- **10,000 OHM EACH CHANNEL**
- **25-18,000 CPS**

Calrad 10 K ohms each channel, newly designed, high quality dynamic stereo headphone, for monitoring program material directly from the recording heads. Can also be connected to a low or high impedance output as a regular stereo headset. Provides full dimension sound with excellent channel separation. Finest tonal quality. Complete with adjustable vinyl covered foam ear cushions, connecting cord and stereo plug.



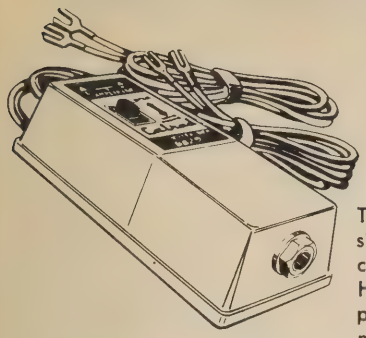
Cat. No. H.P. 4

WIDE RANGE STEREO HEADPHONES

Wide range dynamic transducers reproduce sound with all the fidelity and dynamic range of a live performance. Response: 20 to 20,000 cps. Impedance: 8 ohms. Includes 6 ft. cable with 3 circuit ¼" plug. Shuts out external noises for private listening.

Cat. No. H.P. 2

STEREO HEADPHONE JUNCTION BOX

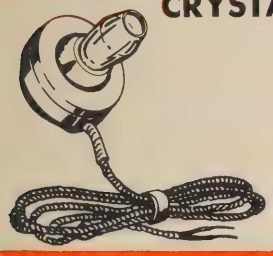


The B829 De-Luxe Junction Box is designed to permit flexible one-switch changeover from speaker to Stereo Headphone as well as to prevent the phones from being overloaded by means of its built-in attenuator.

Equipped with 36 inch lead and supplied with instructions.

Cat. No. B829

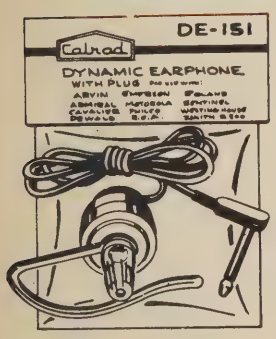
CRYSTAL EARPHONE



Extremely lightweight, compact and sensitive high-impedance type earphone. Has clear plastic earpiece which may be removed to allow use as crystal mike. For use with pocket radios, etc. Complete with cord. Packed in clear plastic bag. Less plug and jack.

Cat. No. CEP

DYNAMIC EARPHONE REPLACEMENT



For Use With:

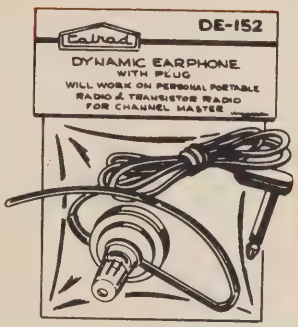
ARVIN	EMERSON	ROLAND
ADMIRAL	MOTOROLA	SENTINEL
CAVALIER	PHILCO	WESTINGHOUSE
DeWALD	R.C.A.	ZENITH R-500

most Transistor Radios

Cat. No. DE-151—low impedance

DYNAMIC EARPHONE REPLACEMENT

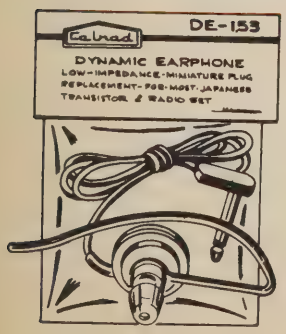
For
Channel Master
Transistor Radio



Cat. No. DE-152—low impedance

REPLACEMENT EARPHONE

FOR MOST JAPANESE RADIOS WITH ULTRA MINIATURE PLUG



Low impedance earphone with wire ear support. This earphone has the sub-miniature plug needed for most Japanese transistor radios. Dynamic hearing aid type for high quality.

Cat. No. DE-153

REMOTE CONTROL STEREO LISTENING STATION

A junction box for connecting stereo headphones to a stereo or mono system any place of convenience. Separate gain control for each channel. On-off switch permits privacy. Stereo jacks allow 2 sets of stereophones. Instructions and 20 feet of 5 conductor cable supplied.

Cat. No. ST39

EARPHONE WITH PLUG & JACK

Low impedance (15 ohms) high quality reproduction. Frequency response, 50-4,000 cps. Flesh colored plastic case and flex cord with miniature phone plug and closed circuit jack. Connects directly to secondary of out-put transformer; excellent for private radio and TV listening devices. Metal clip allows use at either ear. Individually packed in plastic bag.

Cat. No. DE-150

REPLACEMENT EARPHONE FOR R.C.A.

High impedance — 2000 ohms, high quality reproduction. Frequency response, 50-4,000 cps. Flesh colored plastic case and ex cord for private listening. Replacement earphone for transistor radio. Plug attached to fit RCA sets. Metal clip allows use at either ear. Individually packaged in plastic bag.

Cat. No. DE-154

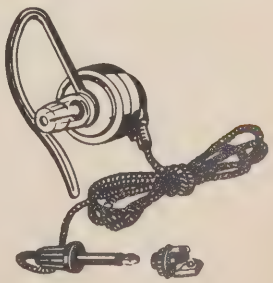
LOW IMPEDANCE DYNAMIC EARPHONE WITH 20 FOOT CORD AND PLUG

WILL REPLACE D.K. 159

Low Impedance Dynamic Earphone with 20-ft. cord. Specifically adapted for TV sets. Ideal for private listening. Has many other uses. Includes plug. Individually packaged in plastic bag.

Cat. No. DE-156

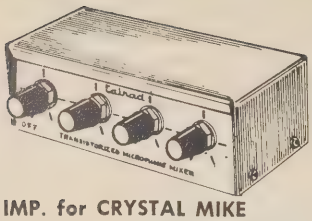
DYNAMIC EARPHONE WITH PLUG & JACK



High impedance, 2000 ohms high quality reproduction Frequency response, 50-4,000 cps. Flesh colored plastic case and flex cord with miniature phone plug and closed circuit jack. Connects directly to secondary of output transformer; excellent for private radio and TV listening devices. Metal clip allows use at either ear. Individually packed in plastic bag and boxed.

Cat. No. DE-160—2,000 ohms

4-CHANNEL TRANSISTORIZED MIKE MIXER



"HI" IMP. for CRYSTAL MIKE

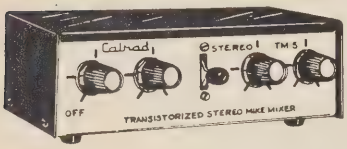
Gain ..... approx. 6 db
Max. Input signal ..... 1.5 volts
Max. Output signal ..... 2.5 volts
Output for min. distortion .. 2 volts
Hum ..... zero
Battery ..... 9 volts @ 4 milliamps
(EVEREADY #216; MALLORY #TR146) Required

Low Impedence mike may be used if a matching low-to-high impedance mike matching transformer is used.

Cat. No. TM-4

STEREO-MONAURAL TRANSISTORIZED MIKE MIXER

A new hi-impedance Stereo mike mixer permits use of four signals from high impedance tuners, recorders, phonographs, and microphones into a high impedance input.



Regular audio cables and standard plugs and jacks are used for all connections between audio mixer and equipment. Selector switch permits ease of operation when switching from monaural to stereo.

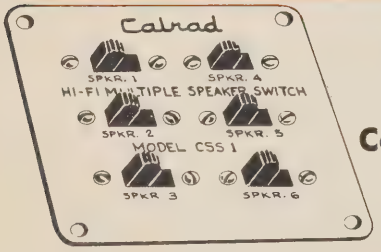
Self contained battery, required. Indiv. Boxed complete with Instructions.

Cat. No. TM-5

WALL PLATE MULTIPLE CONSTANT IMPEDANCE SPEAKER SWITCH

Has 6 DPDT slide switches mounted on brass standard wall plate that fits No. 6 electrical outlet box. Ideal for selecting one to 6 speakers. With instruction and mounting screws.

Cat. 882

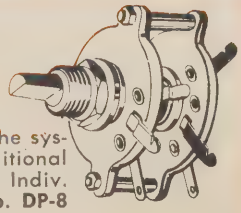


MULTIPLE SPEAKER SWITCH for Constant Impedance Circuits

A constant impedance multiple speaker selector switch selects from one to six speakers, keeping impedence constant with proper 2-watt resistors in circuit. Uses six SPST slide switches, mounted on brass plate. With instructions. Individually packaged. 3½" long, 2⅝" wide, 1" deep.

Cat. No. CSS-1

8-OHM "L"-PAD



Dual section ceramic insulated 8-ohm "L" pad for use between amplifier and speaker. Will adjust volume of any speaker independently of other speakers in the system. Wire wound—ceramic insulation for additional strength. ¾" bushing, ¼" shaft, ¼" long. Indiv. packaged.

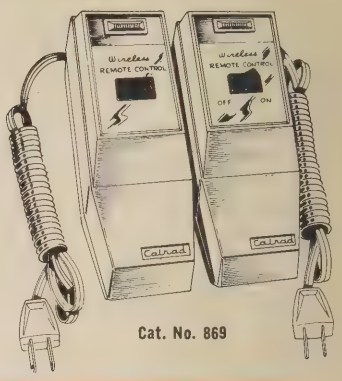
Cat. No. DP-8

WIRELESS REMOTE CONTROL SWITCH

TURNS ON OR OFF— CONTROLS LIGHTS, APPLIANCES, MUSIC SYSTEMS . . . ANYTHING ELECTRICAL FROM BEDSIDE, EASY CHAIR, ETC.

FOR MODERN CONVENIENCE AND SAFETY

Consists of two small portable AC plug-in units. Uses house wiring to carry the control signal. Receiver unit has pilot-light and AC outlet for powering anything up to 550 watts load. Transmitter unit has pilot light and rocker on/off switch. Will work throughout the home or building where AC outlets are connected by the same wiring system. Both units operate on 120 VAC. In well designed molded plastic cases, size 5⅛x2x1¾".



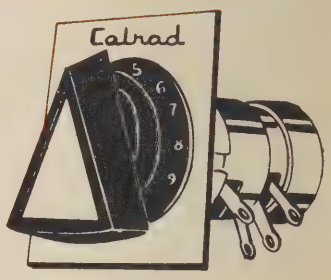
Cat. No. 869

STEREO "L"-PAD

HEAVY DUTY

A dual stereo "L" pad with single knob control for maintaining proper output level enabling the balancing of two speakers from the amplifier providing positive equal audio power to each speaker. Has ⅜" x 32 threaded bushing ⅞" long.

Cat. No. SLP-8 (8 ohms)



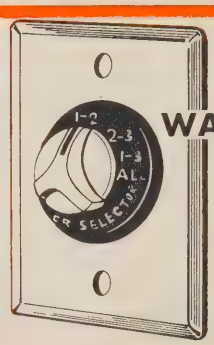
HEAVY DUTY "L"-PADS

CONSTANT LOAD ATTENUATOR

A flat frequency response and natural reproduction are obtained by adjusting for the difference in efficiency ratios. Adjustment ±17% of the normal rated impedance. "L" pads are 8 ohm impedance. Black plastic contour knob. Calibrated 1 to 10. Dial 2½' x 2", finished in matte silver and black. Mounts in ⅜" hole. Brushing ¾" long. Individually boxed.

"L" PADS

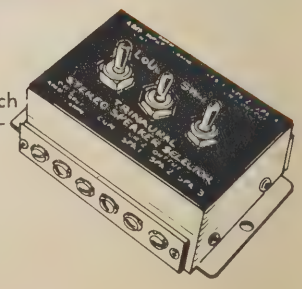
Cat. No. LP-8 (8 ohms)



STEREO 3-SPEAKER, 7-WAY WALL PLATE SELECTOR SWITCH

Stereo Selector Switch permits remote selection of any 3 pairs of speakers. Constant impedance will handle up to 60 watts of audio power. Mounted on gold-finished steel plate matched to fit electric outlet wall plate. **Cat. No. CSS-3**

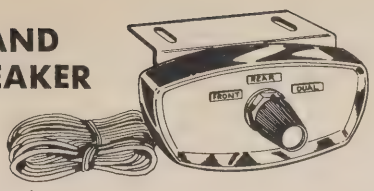
TRINAURAL STEREO SPEAKER 3-WAY SELECTOR SWITCH



Trinaural Stereo Speaker Selector Switch enables you to couple up to 3 individual sets of speakers for stereo use. Has 3 separate toggle switches built into the front panel. This unit can be used either for monaural or stereo. Finished in gold hammertone and black. Size: 4¾" L. x 3½" W. x 1¾" D.

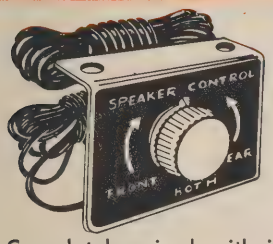
Cat. No. SW-15

CHROME REAR AND FRONT SEAT SPEAKER CONTROL KIT



Selects speaker level. Fades volume in and out from both the front and rear car radio speakers. Heavy die-cast plate. Install in minutes. Hookup wire, self-tapping screws and instructions included.
Cat. No. 881

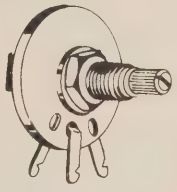
3-WAY AUTO SPEAKER FADER KIT



With Fader Control

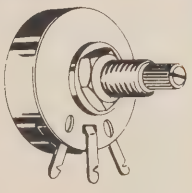
Completely wired with instructions. For controlling volume between front and rear speakers or both. Kit includes wired control, mounting plate, knob and screws. Individually boxed in plastic box. **Cat. No. AF-3**

FADER CONTROL — 20 OHMS



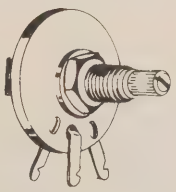
20-ohm volume control for use as rear seat speaker fader control. Front, rear or both. Can also be used as a volume control for any small speaker having a voice coil impedence of 4, 8 or 16 ohms. 1⅛" diameter. ¼" threaded bushing. ⅜" slotted knurled shaft. Supplied with nut and washer.
Cat. No. VC-20

FADER CONTROL — 20 OHMS



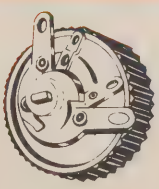
Fader control with back cover. 20 ohm volume control for use as rear seat speaker fader control. Front, rear or both. Can also be used as a volume control for any small speaker having a voice coil impedence 4, 8, or 16 ohms. 1⅛" diameter. ¼" threaded bushing. ⅜" slotted knurled shaft. Supplied with nut and washer. Indiv. packaged.
Cat. No. VC-22

HUM BALANCE CONTROL — 100 OHMS



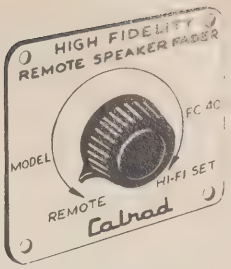
100-ohm wire-wound volume control to be used for speakers having a voice coil impedence of 4 to 45 ohms. Excellent for use as a hum balance control in all amplifiers. 1⅛ inch dia. ¼ inch threaded bushing. Slotted knurled shaft. Supplied with nut and washer.
Cat. No. VC-100

VOLUME CONTROL WITH SWITCH



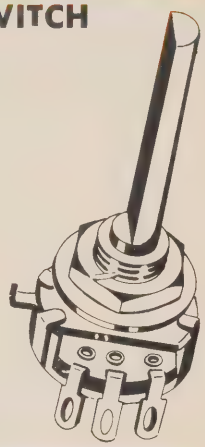
5,000 ohms or 10,000 ohms with switch. Exact replacement for most Japanese transistor radios. Proper resistance and mounting dimensions, has a.c. switch. Can also be used in printed circuit boards. Complete with 15/16" dia. knob, ⅝" dia. ½" total depth.
Cat. No. TV-200-5K
Cat. No. TV-200-10K

HIGH FIDELITY FADER CONTROL



An attractive fader control for one or more remote speakers mounted on a gold hammertone finished plate, with attractive black pointed knob. Control has a resistance of 20 ohms. Individually packaged, complete with instructions and mounting screws. **Cat. No. FC-40**

VOLUME CONTROL — LESS SWITCH



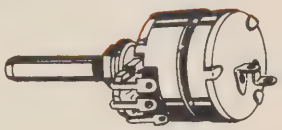
Replacement carbon volume controls available in the 6 most popular values. High quality carbon having high stability under most conditions.

Specify Value

VL- 2K—	2,000 ohm	Linear Taper
VL- 10K—	10,000 "	" "
VL- 50K—	50,000 "	" "
VL-100K—	100,000 "	" "
VL-250K—	250,000 "	" "
VL-500K—	500,000 "	Audio Taper
VL-1 Meg—	1 Megohm "	"

Specifications:
15/16 dia., 7/16 deep, ¼ inch dia.
2" flat shaft.
⅜" bushing, ⅜" long
Supplied with lock washer and mtg. nut.
Indiv. boxed. **Cat. No. VL**

MINIATURE CONTROLS WITH SWITCH



Designed to provide extremely smooth, quiet operation. Have semi-Log (audio) taper. Fits 5/16" hole in panels up to ¼" thick, ¼" shaft, ¾" long, diameter ¾" x 7/16" deep.
Cat. No. TV-300

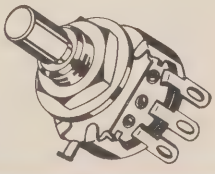
Specify Resistance

Cat. No.	Value
TV-300	5K
TV-300	10K
TV-300	100K
TV-300	250K
TV-300	500K
TV-300	1 Meg.

MINIATURE VOLUME CONTROL LESS SWITCH

Replacement controls ¾" dia., fits in 9/32" hole. Shaft ¼ Dia.-⅜" long. Supplied with mounting hardware. Specify resistance.
Cat. No. TV-100

Cat. No.	Value
TV-100	2K—Linear Taper
TV-100	5K—Linear Taper
TV-100	10K—Linear Taper
TV-100	50K—Linear Taper
TV-100	100K—Linear Taper
TV-100	250K—Linear Taper
TV-100	500K—Audio Taper
TV-100	1 Meg—Audio Taper



NEON TROUBLE SHOOTER

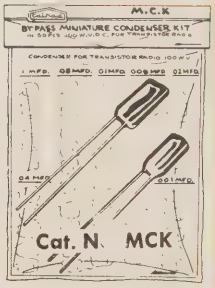
Handy for radio men and electricians for testing AC lines, polarity of AC or DC, for blown fuses, tracing ground lines in AC circuits. Can be used on voltages to 550 volts AC or DC. **Cat. No. N-823**

SUB-MINIATURE ELECTROLYTIC CONDENSERS FOR PRINTED CIRCUIT BOARDS

Small condensers are designed primarily for vertical mounting but leads are 1¼" long for any use. Mylar wrapping prevents shorting in compact circuits. Selected high grade materials used in manufacturing. 15V. DC working volts.

Cat. No.	Capacity
UC-615	6 mfd.
UC-1015	10 mfd.
UC-3015	30 mfd.
UC-5015	50 mfd.
UC-10015	100 mfd.

BY-PASS MINIATURE CONDENSER KIT

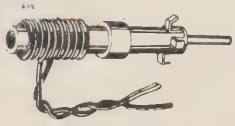


Kit contains:

Five—.1	Ten—.05
Ten—.01	Five—.001
Five—.02	Ten—.005
Five—.04	

50 miniature by-pass upright-mtg. Condenser kit for all transistor and other applications. All are 100 volts working. Mylar-dipped.

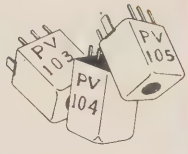
VARIABLE LOOP STICK



Cat. No. CLS

Vari-loopstick for all miniature radio antennas. Powerful high Q type tapped for transistor circuits. Tunes with 365 mmfd. Condenser, circuit diagram and instructions included. Size: 7/16" dia. x 2" long.

REPLACEMENT COILS FOR TRANSISTOR RADIO



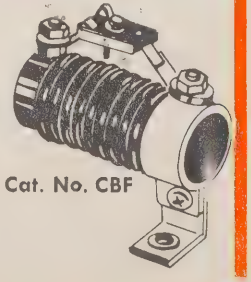
Subminiature IF and Oscillator coils for most Japanese transistor radios or for builders of radios. Printed circuit mounting, fully shielded. Size ⅜" square ⅝" high. Specify type wanted.

Cat. No. PV-103—1st IF
Cat. No. PV-104—2nd IF
Cat. No. PV-105— Oscillator

AMATEUR AND C-B GENERATOR NOISE FILTER

FOR 10-11-15 & 20 METERS

Adjustable generator noise filter will permit quiet receiver operation. For use with Citizens Band and amateur equipment in the 3-30 mc range. Maximum current 25 amps.



Cat. No. CBF

SUB-MINIATURE ELECTROLYTIC CONDENSERS WITH COAXIAL LEAD

Tiny electrolytic condensers for transistor and all miniature applications. Furnished in aluminum tubes with vinyl plastic cover. Plainly marked as to capacity and voltage. All are 15 volt working size ¼" x ½" to 5/16" x ¾". 15V. DC working volts.

Cat. No.	Capacity
EC-615	6 mfd.
EC-1015	10 mfd.
EC-3015	30 mfd.
EC-5015	50 mfd.
EC-10015	100 mfd.

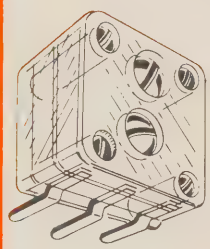
MINIATURE CONDENSER KIT

Cat. No. MK-1

Kit of 25 .1 mfd 100 volt mylar dipped condensers. Miniature type. Excellent for transistor radio and printed circuit applications.

MINIATURE 2 GANG VARIABLE CONDENSER FOR JAPANESE TRANSISTOR RADIOS

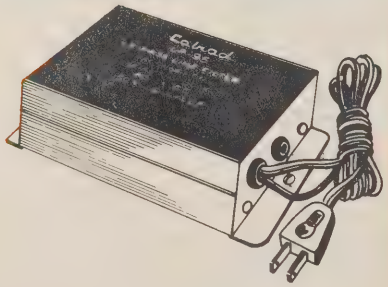
Perfect Replacement in Most Sets
Size: 11/16 x 11/16 x 3/8"
Use for Printed Circuit Board



Cat. No. CR-201

The unusually small size of this variable permits it to be installed in the most compact radios. Sturdy transparent plastic case protects delicate plates from any possible damage. Trimmer adjustment on rear of case. Shpg.

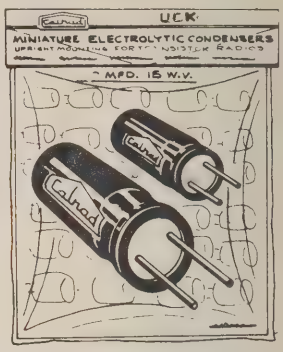
LO-PASS LINE FILTER



Use on 110 or 220 volt AC or DC

Eliminates all line interference. Contains ferrite core. Fully designed for complete noise suppression introduced through the AC line. Automatic attenuation, completely shielded. Finished in gold hammertone. Individually boxed. Size 4" x 2⅝" x 1⅝". **Cat. No. LP-95**

UPRIGHT MOUNTING MINIATURE CONDENSER KIT

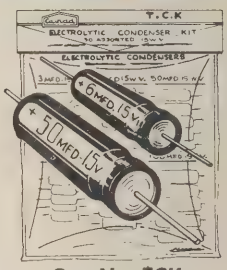


Kit contains

Ten—	10 mfd.
Five—	6 "
Five—	30 "
Five—	50 "
Five—	100 "

Upright electrolytic miniature condenser kit of the 30 most popular types used in 2 to 6 transistor radios, and many other applications. All are 15 volts working. **Cat. No. UCK**

ELECTROLYTIC CONDENSER KIT

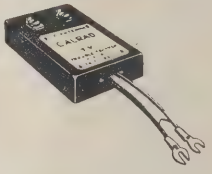


5 each of following values—
10MFD—15WV
10MFD—15WV
50MFD—15WV
6MFD—15WV
30MFD—15WV
100MFD—15WV

Cat. No. TCK

Tiny electrolytic condensers for transistor and all miniature applications. Furnished in aluminum tubes with vinyl plastic cover. Plainly marked as to capacity and voltage. All are 15 volt working size ¼ x ½" to 5/16 x ¾".

TV INTERFERENCE FILTER



Suppresses interference caused by amateur radio transmitters, small motors, auto ignition and medical electronic equipment. Enjoy fine clear TV reception. Connection requires only a screw-driver.

Cat. No. E-505

PLUG-IN NOISE FILTER

Simple installation, just plug the noise filter into the wall outlet, and plug your radio or T.V. into the filter. Eliminates interference caused by appliances, fluorescent lights, electric shavers etc., that is transmitted along the electric lines.

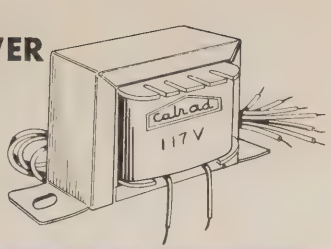
Cat. No. 884

ALTERNATOR—NOISE FILTER

Automobiles equipped with alternators can reduce annoying noise on amateur or CB gear to a minimum when this easy-to-install noise filter is connected. Maximum current 25 amperes.

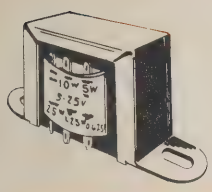
Cat. No. F-824

6-9-12 VOLT POWER SUPPLY TRANSFORMER



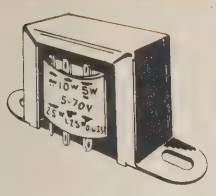
These voltages are 1 amp. DC after full wave rectification and filtering. All voltage center tapped. **Cat. No. FI-25**

5 WATT—25 VOLT MATCHING LINE TRANSFORMER



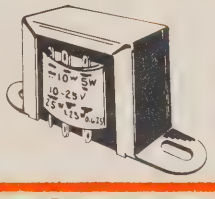
Universal 25-volt, 5-watt audio line transformer for speaker mounting and remotely connected to an audio amplifier enabling volume adjustment at speaker. Matches 4 to 8 ohm speakers. Impedance taps of 125, 250, 500, 1000 and 2000 ohms.
Cat. No. 5-25V

5 WATT—70 VOLT MATCHING TRANSFORMER



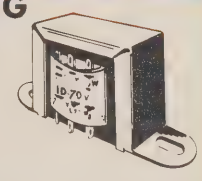
Line to Voice Coil
A universal 70-volt, 5-watt audio line transformer for speaker mounting and remotely connected to an audio amplifier enabling volume adjustment at speaker. Matches 4 to 8 ohm speakers. Impedance taps of 1000, 2000, 4000, 8000 and 16,000 ohms.
Cat. No. 5-70V

10 WATT—25 VOLT MATCHING LINE TRANSFORMER



Universal 25-volt, 10-watt audio line transformer for speaker mounting and remotely connected to an audio amplifier enabling volume adjustment at speaker. Matches 4 to 8 ohm speakers. Impedance taps of 1000, 2000, 4000, 8000, and 16,000 ohms.
Cat. No. 10-25V

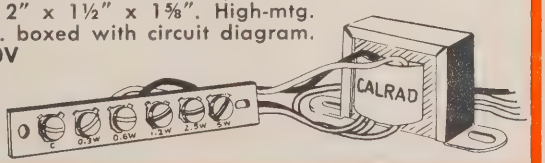
10 WATT—70 VOLT MATCHING TRANSFORMER



Line to Voice Coil
70-volt line transformer variable 0.625 to 10 watts primary tapped at 500-1000-2000-4000-8000 ohms. 6-8 ohm impedance. Overall size 2" x 1½" x 1⅝" high-mtg. ctrs. 2⅜" indiv. boxed with circuit diagram. **Cat. No. 10-70-V**

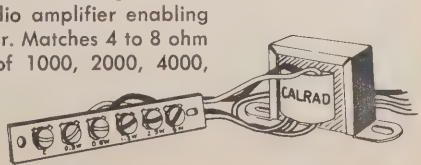
10 WATT—70 VOLT MATCHING TRANSFORMER WITH TERMINAL STRIP

70 volt line transformer with terminal strip. The transformer is variable from 0.625 to 10 watts. Primary is tapped at 500-1000-2000-4000 and 8000 ohms. 6-8 ohm impedance. Oevrall size is 2" x 1½" x 1⅝". High-mtg. Ctrs. 2⅜" indiv. boxed with circuit diagram.
Cat. No. T10-70V

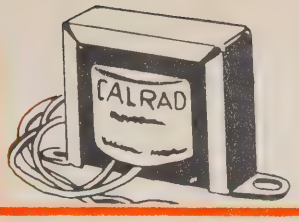


5 WATT—70 VOLT MATCHING TRANSFORMER WITH TERMINAL STRIP

A universal 70-volt, 5-watt audio line transformer with terminal strip for speaker mounting and remotely connected to an audio amplifier enabling volume adjustment at speaker. Matches 4 to 8 ohm speakers. Impedance taps of 1000, 2000, 4000, 8000 and 16,000 ohms.
Cat. No. T5-70V

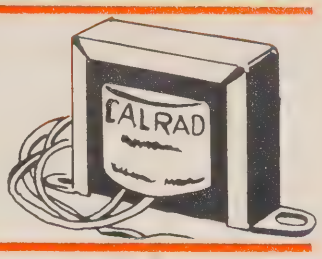


6 VOLT FILAMENT TRANSFORMER



6.3 volt CT 1.5 amp. 2" x 1½" x 1½" high mtg. ctrs. 1⅜". Indiv. boxed with circuit diagram.
Cat. No. FI-6

12 VOLT FILAMENT TRANSFORMER



Pri. 117V. AC, Sec. 12.6V. CT. @ 1 amp. Mounting centers 2⅝". Dim. 2" x 1½" x 1½" H. With diagram.
Cat. No. FI-12

24 VOLT TRANSFORMER

Pri. 117 V AC 60 cy. Sec. 24 V @ 1 Amp. Mtg. Ctrs. 3". 2½" x 1¾" x 2" with diagram.
Cat. No. FI-24

MINIATURE TRANSISTOR AUDIO TRANSFORMERS

Ideally suited and selected for building radio and amplifier sets with standard type transistors. High vacuum impregnation and application of a special coating, seals the coils. To attain such excellent characteristics in so small a transformer, a special core of hydrogen heat-treated alloy is used. High quality at low cost. ¾" x ⅝" x ⅝". Color coded wire leads. Instruction sheet and circuit diagram included with each transformer.

Your Choice

Cat. No.	Type	Primary Ohms	Secondary Ohms
CR 20	Input	100,000	1000
CR 40	Output	1,200 C.T.	3.2
CR 50	Mike Input	200,000	1000
CR 60	Input	20,000	1000
CR 70	Driver	10,000	2000 C.T.
CR 80	Output	500 C.T.	3.2
CR 90	Output	1,000 C.T.	8

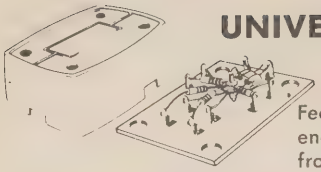
SUB-MINIATURE TRANSISTOR AUDIO TRANSFORMERS

Sub-miniature series transformer for experimental circuits in all radio, transistor amplifiers, and hearing-aid applications. Transformers are special heat-treated alloy core. High vacuum impregnation and application of a special coating, seals the coil.
Size ½ x ½ x ½ inch.

Your Choice

Cat. No.	Type	Primary Ohms	Secondary Ohms
CR 45	Input	100,000	1000
CR 55	Output	500 C.T.	3.2
CR 65	Input	200,000	1000
CR 75	Driver	10,000	2000 C.T.
CR 85	Output	500 C.T.	8

UNIVERSAL 4 SET COUPLER FOR UHF-VHF AND FM

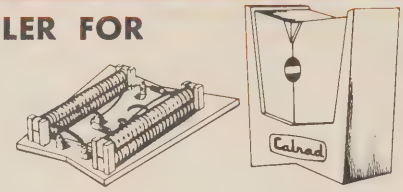


Features extreme isolation and interference between sets. Provides 4 outlets from one antenna. Can be used with color and black and white TV.

Effective on Channels 2 to 83

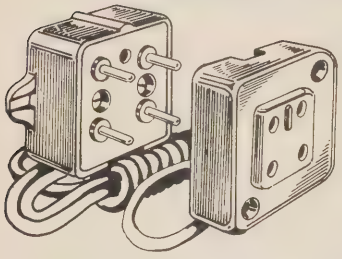
Cat. No. 834

TWO-SET COUPLER FOR FM OR TV



2-set coupler for TV or FM consisting of a wired L/C network isolating two channels from a single 300-ohm antenna. Equipped with insulation piercing washers for easy installation. Supplied with hardware and comprehensive instructions. **Cat. No. 803**

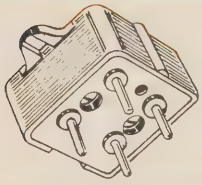
TELEPHONE PLUG-IN EXTENSION



30 ft. telephone extension cord supplied with plug and jack for most telephone intercom. Add flexibility to your phone by being able to move from room to room. Color-coded code to match terminals on socket and plug. Completely assembled and ready to use.

Cat. No. TE-30

TELEPHONE PLUG

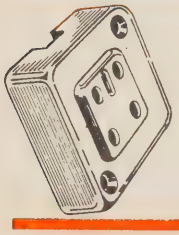


Male four prong plug for portable instruments. Mates with telephone jack below. Screw terminals. Brown and Ivory.

Cat. No. TP-I—Ivory

Cat. No. TPB—Brown

TELEPHONE JACK

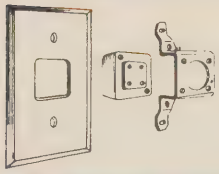


Four prong surface jack only. Screw terminals. Two hole mounting. Brown and Ivory. With mounting hardware.

Cat. No. TJB—Brown

Cat No. TJI—Ivory

WALL PLATE JACK & BRACKET

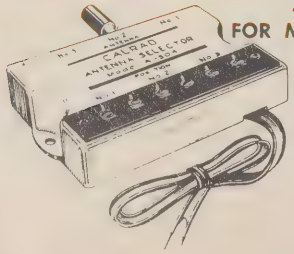


Contains plate, jack and bracket. Used for 2, 3, or 4 wire telephone intercom and speaker installation. Wall jack mounts flush in standard outlet box. Has spring loaded contacts. Screw terminals. With mounting hardware.

Cat. No. PJI-Ivory

ANTENNA SWITCH

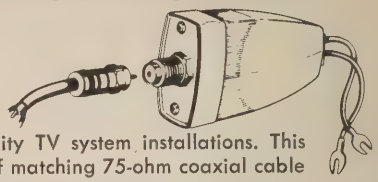
FOR MULTIPLE ANTENNA INSTALLATION



When more than one antenna is required. Eliminates multiple down lead problems. Switch instant antenna selection, and only one down-lead is necessary. 3 positions. Low loss. With instructions.

Cat. No. A-504

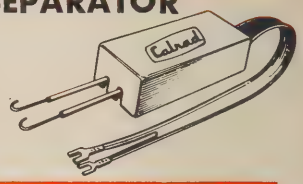
COAX CABLE MATCHING TRANSFORMER



- **Matches 75-ohm Coax to 300-ohm TV Sets**

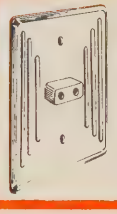
For use in Master TV or Community TV system installations. This transformer is the easiest method of matching 75-ohm coaxial cable to the 300-ohm input: 75-ohm solderless male coax connector included. 300-ohm output leads with spade lugs. **Cat. No. T809**

UHF-VHF ANTENNA SEPARATOR



- **Connects One Lead-in to Both Inputs on TV Set**

Easily connects one lead-in wire to both UHF and VHF terminals on back of TV set. Use with black and white or color TV. No signal loss. **Cat. No. 835**



TELEVISION OR FM WALL PLATE

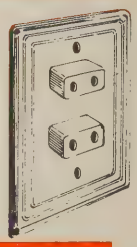
WITH POLARIZED PLUG

For 300 ohm twin lead-in. Allows you to put an outlet for TV lead-in wherever you wish. No more unsightly wires. Comes with polarized plug and mounting hardware and complete instructions. Fits Standard outlet box.

Cat. No. VP-65

F.M. AND T.V. WALL PLATE

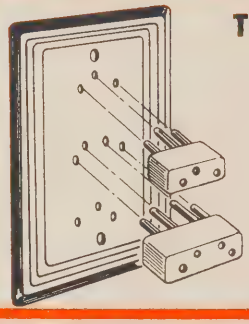
WITH POLARIZED PLUGS



TV and FM wall plate to fit standard outlet box. For 300 ohm twin lead, eliminating unsightly wires. Supplied with two polarized plugs and mounting hardware. Screw terminals. No soldering necessary. Ivory color. Indiv. packaged. Supplied with 2 plugs. **Cat. No. VP-66**

TV-FM ROTAR WALL PLATE

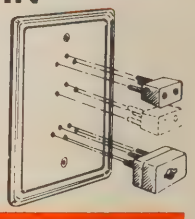
WITH POLARIZED PLUGS



Ivory wall plate for triple use. Contains two polarized flush sockets and one polarized four prong socket to be used with TV-FM and four wire rotor cable. Eliminates unsightly wires. Supplied with one 3 prong and one 4 prong plug.

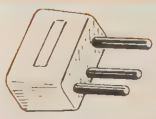
Cat. No. VP-67

ROTOR ANTENNA AND 2-TWIN-LEAD OUTLET PLATE



Ivory plastic plate has one 5-wire outlet for 4- or 5-wire rotor leads and two polarized twin lead outlets. Supplied with one 5-prong plug, one 3-prong plug and all mounting hardware for outlet box.

Cat. No. VP-68

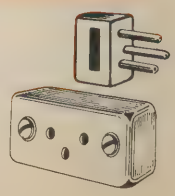


POLARIZED PLUG

Ivory three prong polarized plug for use with most wall receptacles.

Cat. No. VP-25

TV-FM SOCKET AND PLUG



Well built, 2-conductor, molded socket. Excellent for use for FM-TV or any 2-conductor speaker connection. Ivory color.

Cat. No. VP-35

MOST POPULAR TELESCOPIC ANTENNAS

This line of portable equipment telescoping antennas are made of the best chrome plated brass. Precision machined for perfect fit and action. All are tapped for 4-40 screws and are supplied with two male adapters, 1 for 6-32 and 1 for 8-32.

INDIVIDUAL DISPLAY PACKAGED

7 SECTION
46½" EXTENDED
8" COLLAPSED

Cat. No. TA-4

8 SECTION
48" EXTENDED
7½" COLLAPSED

Cat. No. TA-3

9 SECTION
51" EXTENDED
7⅜" COLLAPSED

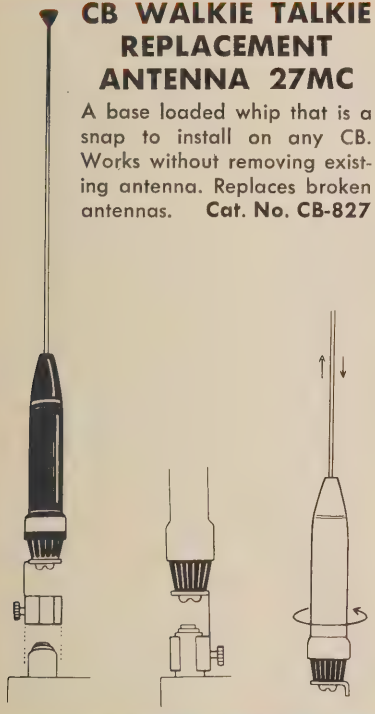
Cat. No. TA-2

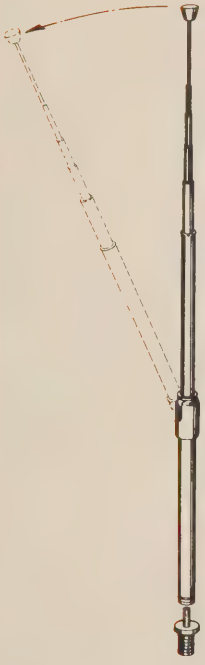
11 SECTION
50" EXTENDED
6⅛" COLLAPSED

Cat. No. TA-1

CB WALKIE TALKIE REPLACEMENT ANTENNA 27MC

A base loaded whip that is a snap to install on any CB. Works without removing existing antenna. Replaces broken antennas. **Cat. No. CB-827**



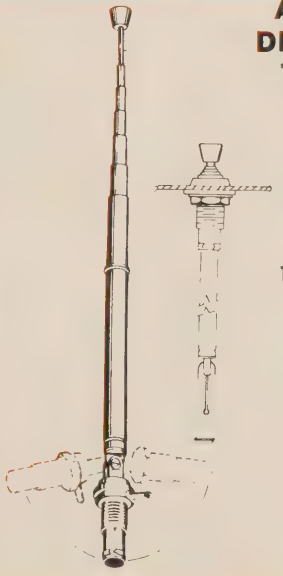


DISAPPEARING TELESCOPIC ANTENNA

90° VERTICAL ROTATION

7 SECTION
32 INCHES
EXTENDED

Cat. No. TA-9



ADJUSTABLE DISAPPEARING TELESCOPIC ANTENNA

360° HORIZONTAL ROTATION

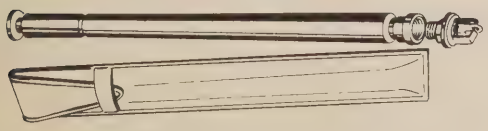
180° VERTICAL ROTATION

8 SECTIONS
22½ INCHES
EXTENDED

Cat. No. TA-6

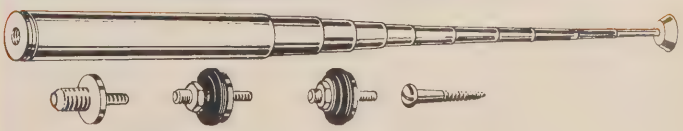
MINIATURE TELESCOPING ANTENNA

WITH PLUG, JACK AND CARRYING CASE



For miniature pocket and transistor radios, Transceiver Applications and Amateur use. Made of chrome plated brass, antenna has 5 sections—pulls out to 38 inches extension, plugs into jack provided. Retracts to 9 inches for carrying in pocket. Flexible plastic case with protecting flap included.
Cat. No. TA-5

TELESCOPIC ANTENNA



- **11 Sections**
- **Extended to 54"**
- **Excellent for "C.B"**

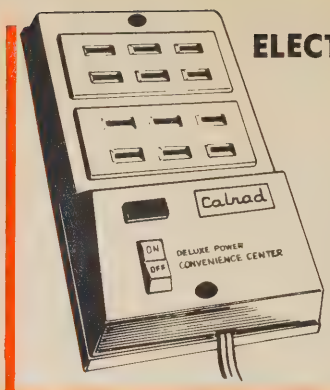
Extends to a total length of 54" and collapses to 6". Eleven chrome-plated special alloy sections constructed to give maximum durability. Supplied with various types of mounting hardware. Base diameter 7/16". Individually display packed.
Cat. No. TA-8

FOOT CONTROL SWITCH WITH SERIES PLUG-RECEPTACLE

Snap Action Contacts Rated 5 A. @ 125 V. AC. Finest quality. For remote operation of tape recorders, ham gear, photographers devices, paging systems, etc., without the use of hands. Operates normally open press to make. Beautifully made and extremely durable. For use where high operating speed and minimum fatigue are essential. Complete with rubber treading skidproof rubber base pad. Durable black wrinkle finish case. Size 2¾" x 2¾" x 1". Supplied with 9 Ft. parallel cord. No wiring necessary.

Cat. No. FS-7P

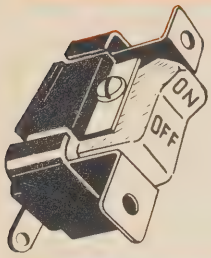
ELECTRIC OUTLET CONTROL CENTER



- **ADDS 6 ADDITIONAL OUTLETS**
- **PILOT LIGHT**

6 extra outlets wherever you need them. Plug-in to wall or work bench. Switch turns off all appliances connected to convenience center. Equipped with heavy duty 8 ft. line cord and plug. For use on 110-120 volts AC. 50-60 cps. Up to 1600 watts. **Cat. No. 836**

ROCKER-TYPE SWITCH



Rocker-type AC switch. Neat ivory plastic arm is pivoted so that only slight thumb pressure is needed for control. Shows at a glance whether off or on. Molded plastic encased with mounting flanges. Size: 1⅛ x ⅝ x ⅝ in. Rated 3 amps @ 125 V.

Cat. No. RS-2 SPST

Cat. No. RS-6 DPDT

ILLUMINATED PUSH BUTTON SWITCH

- **PUSH-ON**
- **PUSH-OFF**

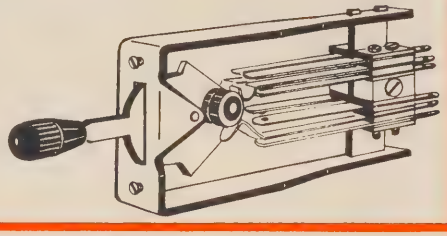
Clear plastic push-button SPST glows brilliantly when switch is on. 10 amp, 125-Volt AC rating, Positive snap-action push-on, push-off. Three terminals. Third terminal is for soldering 100,000 ohm resistor in series with the neon lamp for 110-Volt AC operation.

Overall size: 1" wide x ½" deep x 2" high. Mounts in ½" hole through panel up to ¼" thick. Mounting hardware supplied. **Cat. No. 883**

4P DT TELEPHONE TYPE LEVER SWITCH

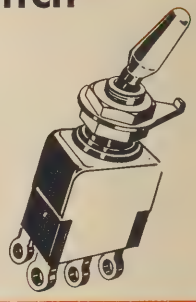
Contact springs are plated spring-tempered phosphor bronze with semi-precious metal contacts. 4P DT "4 form c's locking action" contacts 3 amp. 120V. behind panel space. 2⅛" x 1¼" x ⅝", with hardware.

Cat. No. S510

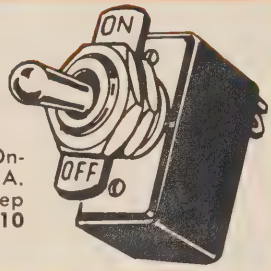


SUB-MINIATURE TOGGLE SWITCH

D.P.D.T. sub-miniature 10 amp toggle switch for all applications where small size is necessary.
Double pole double throw.
Contact current capacity — 10 amp 125 volt (non-inductive load)
Contact resistance 0.01 ohm max.
Insulation—500V - 200M ohm min.
Solder terminals.
Body size: ½ x ½ x ½ inch.
Indiv. packed in poly bag.
Cat. No. MT-6

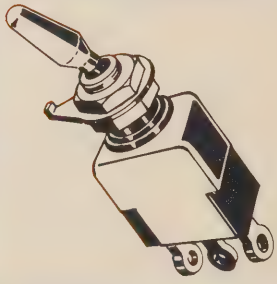


SPST TOGGLE SWITCH



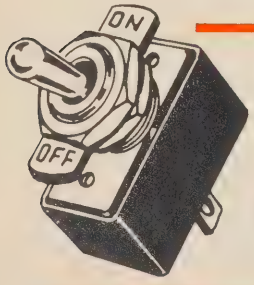
Bakelite case, bat handle, with chrome On-Off plate. Solder lug terminals. 125V—3A. Packed 10 to a box. 1¼" x ⅝" x 1" deep to top of ⅜" bushing. **Cat. No. TS-10**

SUB-MINIATURE TOGGLE SWITCH



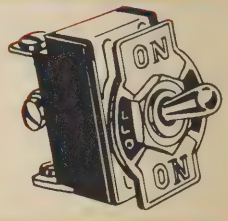
S.P.D.T. sub-miniature 10 amp toggle switch for all applications where small size is necessary.
Single pole double throw.
Current Capacity 10 amp 125 volt.
Contact resistance 0.01 ohm max.
Insulation 500V-200M ohm min.
Dielectric strength 1000V AC (50-60c/s) min.
Solder terminals.
Body size: ½ x ½ x ⅜ inch.
Indiv. packed in poly bag.
Cat. No. MT-3

DPDT TOGGLE SWITCH



Bat handle switch with chrome On-Off plate. Bakelite case, six solder terminals. 125V, 3A. Packed 10 to a box. 1¼" x ¾" x 1¼" deep. ⅜" bushing. **Cat. No. TS-12**

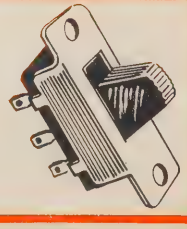
DPDT TOGGLE SWITCH CENTER-OFF



Bat handle center-off toggle switch with bakelite case. Red and black On-Off plate. Six screw terminals. Packed 20 to a box. 1⅜" x ¾" x 1⅜" deep. 125V—6 amp, 250V —3 amp rating, ⅜" bushing.

Cat. No. TS-16

DPDT SLIDE SWITCH



Positive action slide switch, with plastic handle. Size: 1⅜" x ½"; 1⅛" mounting centers. 125V, AC or DC, .5 amps. Std.

Cat. No. SS-6

MINIATURE PUSHBUTTON SWITCH

A new heavy duty miniature push button switch for panel mounting. Wide use in most miniature and sub-miniature applications.
S.P.S.T.—momentary contact.
push to make
125 volt 1 amp capacity

Overall length	1¼ inches
Diameter	7/16 inches
Bushing	5/16 dia. ¼ inch long

Cat. No. SP-2

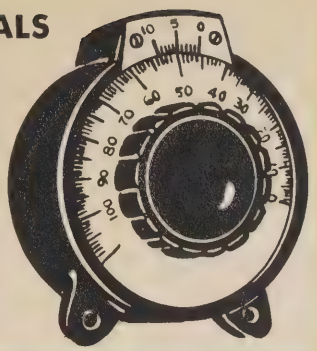
DPDT SLIDE SWITCH CENTER-OFF

SAME AS SWITCH ABOVE EXCEPT CENTER-OFF POSITION.

Cat. No. SS-7

PRECISION VERNIER DIALS

Surface mounting for ¼" shaft. Planetary drive, approximately 8 to 1 ratio. Deep-etched black filled markings on brushed silver dial, reading from 0 to 100 in 180°, counterclockwise. Molded black phenolic knob and housing. Internal parts of brass and spring bronze.



WITH VERNIER INDICATOR

(3") Diameter
Cat. No. VD-70

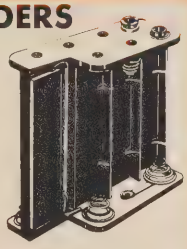
WITH POINTER INDICATOR

(1½") Diameter
Cat. No. VD-36

(2") Diameter
Cat. No. VD--50

7 AND 8 CELL BATTERY HOLDERS

HOLDS: Burgess Z, 9R, HG9
Eveready 915, 1015, E9, Mallory ZM9



Made of high impact plastic with barriers between cells. Built-in diagram indicates proper polarity position of each cell for internally connected series use. Good contact is assured by spring loaded contacts. Equipped with plug-in receptacle which mates with connector described below.
Cat. No. BH-7 7 Cell Holder
Cat. No. BH-8 8 Cell Holder

BATTERY CONNECTOR

Completely insulated, snap fastener type, with color coded insulated leads, for 9 volt flat and miniature 45 volt batteries, ½ inch connector spacing and 3 inch leads.
Cat. No. BC-2

20M HIGH INSULATION PLASTIC ELECTRICAL TAPE

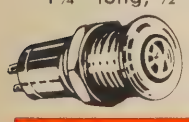
RED—BLACK—GREY

Plastic Electrical Tape consists of high dielectric strength and flexible stretch, snug wrap, water proof and will resist oil, gasoline, water, salt water, alkalis and sunlight. Colors available are as follows: Red, Black and Grey. Individually cellophane wrapped and packaged ten to a master carton. Specify color when ordering. 66 ft., ¾" wide.

Cat. No. 20MB Black
Cat. No. 20MR Red
Cat. No. 20MG Grey

NEON PANEL LIGHT INDICATOR

A miniature panel light indicator includes a neon bulb for operation on 117 volts A.C. Requires 100K resistor in series. AC starting voltage 60 volts. Complete with jewel, socket and neon bulb. Available in Red-Green-White. Size ⅜" dia., 1¼" long, ½" threaded bushing with mtg. nut.



Voltage—117 volt AC.
Order by color.
Indiv. Packed.

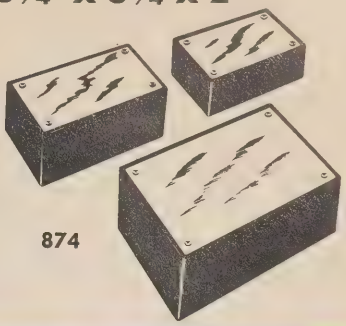
Cat. No.:
PL-3 Red
PL-3 Green
PL-3 White
PL-3 Amber

EQUIPMENT CONTROL KNOB

Easy-grip, knurled control knob to enhance any equipment. Made of heavy bakelite material with skirt numbered 0 to 10. White imprinted numbers on skirt of Grey or Black knob. Brass bushing and set screws. Size including skirt is 17/16" by 1" high. Fits standard ¼" shaft.
Cat. No. CK-10G—Grey **Cat. No. CK-10B—Black**

HANDY UTILITY BOXES WITH ALUMINUM PANELS 6¼' x 3¾ x 2"

872 873



Cat. No.	
872	3¼" x 2⅛" x 1⅛"
873	4 " x 2⅛" x 1⅝"
874	6¼" x 3¾" x 2"

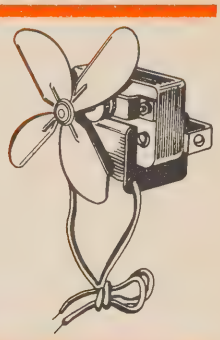
874

Made of sturdy bakelite, removable aluminum cover, perfect for housing test equipment, experimental circuits. Ideal for hobbyist, etc.

EXPERIMENTERS PANEL KIT (5 PANELS)

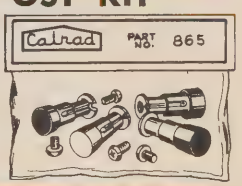
Handy boards for modern solid state projects. Ideal for pancake stacked construction using spacers at corners. All 6" x 3½" — one each brushed aluminum black phenolic and 3 tan phenolic. Tan boards are punched with 1/16" holes on 3/16" center. Great for modular construction.
Cat. No. 842

VENTILATION FAN 3" BLADE



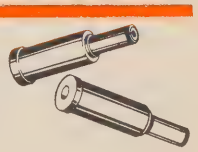
Ideal for mounting in all types of electronic equipment. Ruggedly constructed. Features oilite type bearings for cool efficient operation. Universal mounting bracket. Coil is fully insulated and has 7" wire leads. Will prolong the life of T.V. sets, Radios or other electronic equipment. Operates on 115v. 60 cycles.
Cat. No. ACM

PUSH BUTTON BINDING POST KIT 2-RED 2-BLACK



Ideal for fast connections. Supplied with hardware and insulating washers.
Cat. No. 865

UNIVERSAL COAXIAL TYPE POWER PLUG KIT



Used for connecting AC Adapters, Chargers and Remote Controls to input jacks on Radios, Recorders, Phonos, TV, Walkie Talkies, etc. Kit of 2 different most popular sizes.
Cat. No. 856

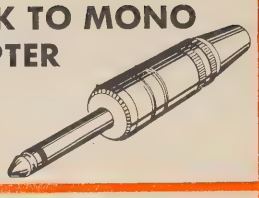
BAYONET BASE PILOT LIGHT

Made to fit miniature based pilot lights. Available in 3 colors, fits in ½" hole.
Cat. No. J826A Amber
Cat. No. J826G Green
Cat. No. J826R Red

EQUIPMENT CONTROL KNOB

Professional style equipment knobs, beautifully made to dress up equipment. Skirted 17/16" Dia. ⅞" high. Available in Black or Grey. Brass bushing ¼" dia. Specify color.
Cat. No. CK-11G—Grey
Cat. No. CK-11B—Black

STEREO 3 WAY PHONE JACK TO MONO 2 WAY PHONE PLUG ADAPTER



Converts a stereo headset to monophonic listening by parallelling both earpieces. **Cat. No. 838**

ADAPTER PLUG KIT

Cat. No. 860

Miniature phone jack to standard phone plug—RCA phono jack to miniature phone plug—miniature phone jack to RCA plug.

3 CIRCUIT STEREO PLUG

Standard phone plug for 3-circuit use. Excellent for stereo headsets and other applications. Will also fit open or closed standard phone jacks. Two insulated solder lug terminals and cable clamp. Black only.
Cat. No. 3WP

SLIM 3 CIRCUIT STEREO PHONE JACK

Standard 3 way phone jack ideal for portable use, extensions, and etc. Mates with 3WP described above. Black only.
Cat. No. J808

3-CIRCUIT FLAT STEREO PLUG

Same as 3WP described above except flat feature available in Red and Black.
Cat. No. FP42B Black
Cat. No. FP42R Red

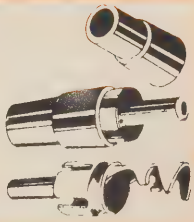
MINIATURE PHONE PLUG

Two-way plug, solder terminals with cable clamp. Black only.
Cat. No. P-29

MINIATURE CLOSED CIRCUIT JACK

Fits plug above, mounts in ¼" hole in panels up to ⅛" thick. Nickel plated. Supplied with mounting nut.
Cat. No. MJ-37

PLASTIC INSULATED PIN PLUG



R.C.A. type pin plug with built-in cable clamp. Each plug has an easy slip-on flexible plastic cover. Kit of 10 plugs contains the following:
2—Black 2—Blue
2—Red 2—Yellow
2—White
Cat. No CP-10

RUBBER INSULATED ALLIGATOR CLIPS

Sturdy nickle plated jaws with strong spring and hard bite, 1½ inches long, available in red and black. Specify color. **Cat. No. AR-2**

INSULATED-PIN PLUGS

RCA type insulated pin plugs. Packaged 10 pieces per bag. 5—red, 5—black. **Cat. No. IPP**

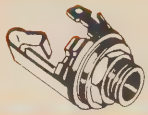
3 CIRCUIT STEREO JACK

3-circuit phone jack for stereo or other applications. Will fit the CALRAD 3 WP shown below. Complete with all mounting hardware.
Cat. No. 3WJ

OPEN CIRCUIT JACK

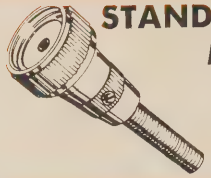
Open-circuit standard phone-type jack. ⅜" x ½" bushing complete with hardware. **Cat. No. OC-34**

CLOSED CIRCUIT JACK



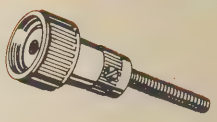
Standard phone type closed-circuit jack. ⅜" x ½" bushing complete with hardware. **Cat. No. CC-35**

STANDARD MIKE CONNECTOR MALE OR FEMALE



Fits standard ⅝-27 chassis connectors. Knurled collar screws back to convert to male.
Cat. No. C 816

MIKE CONNECTOR



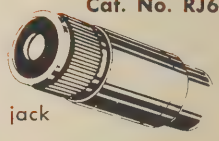
This connector will mate with the connectors used on microphones DM30, DM31, DM32, DM33, DM34 and DM36. Bright Chrome plated.
Cat. No. MC-150

MINIATURE MIKE CONNECTOR

A miniature single contact microphone connector. Has removable knurled ring permitting its use as a male or female type coupler.
Cat. No. MMC

PHONO JACK

Cat. No. RJ6



Shielded, nickle-plated RCA type extension jack with cable clamp; ⅜" diameter; 1" long.

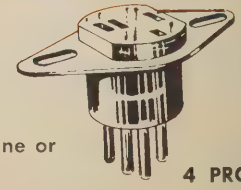
SINGLE HOLE-MOUNT PHONO JACK

A single hold mount RCA type miniature phono jack. ⅞" long x 5 1/16" diameter. Nickel plated. Furnished with hex nut and solder lug.
Cat. No. RJ-4

SHIELDED PHONO PLUG

A shielded RCA type phono plug for use with any RCA type jack. Nickel plated. **Cat. No. PT-40**

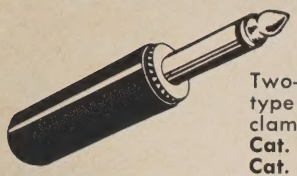
TRANSISTOR SOCKETS



Takes transistors with 3 contacts in line or triangle (JEDEC). Size: ⅜" x ¼".
Cat. No. TS-4

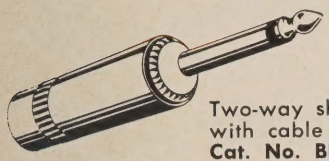
4 PRONG

STANDARD SLIM PHONE PLUG



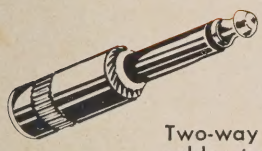
Two-way slim red or black bakelite phone type plug. Solder terminals with cable clamp.
Cat. No. BP-31B Black
Cat. No. BP-31R Red

STANDARD SLIM SHIELDED PLUG



Two-way shielded chrome slim plug. Complete with cable clamp. Solder terminals.
Cat. No. BP-32

STUBBY STANDARD SLIM SHIELDED PLUG

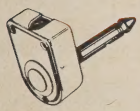


Two-way shielded stubby type phone plug. Two solder terminals. **Cat. No. BP-33**

SHIELDED FLAT PHONE PLUG

A right angle shielded standard phone plug. Ideal when space in front is necessary. Solder terminals.
Cat. No. FP-26

STANDARD FLAT PHONE PLUG



Flat two-way slim red or black bakelite phone plug. Solder terminals with cable clamp.
Cat. No. FP41B Black
Cat. No. FP41R Red

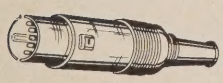
"DIN" SERIES PLUGS

Fit audio input and output jacks on many recorders, radios, etc., made by Norelco, Wollensak, Uher, Telefunken, Korting, Dual, Kuba, Sony. Shielded metal shell, plastic cover, built-in strain relief.

"DIN" 3 PIN MALE PLUG

Cat. No. 845

"DIN" 5 PIN MALE PLUG



Cat. No. 846

"DIN" PIN MALE PLUG AND FEMALE CABLE RECEPTACLE

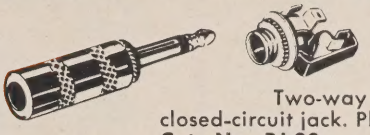
Handy for extending or adding to existing audio cables. Consists of 5 prong male cable plug and mating female cable receptacle.

Cat. No. 847

SHIELDED ULTRA MINIATURE PLUG

Made to fit the sub-miniature jack of PJ-35 described on this page .097 diameter.
Cat. No. P-36

SHIELDED MINIATURE PLUG AND JACK

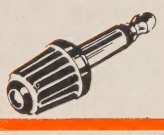


Two-way miniature shielded plug and closed-circuit jack. Plated finish. Solder terminals.
Cat. No. PJ-28

MINIATURE PLUG AND JACK

Two-way plug in either black or red plastic sleeve. Closed-circuit jack included. Solder terminals with cable clamp.
Cat. No. PJ-29B Black
Cat. No. PJ-29R Red

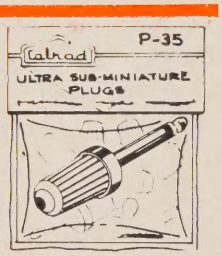
STUBBY MINIATURE PLUG WITH JACK



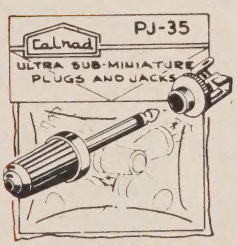
Miniature two-way plug and jack. Shank is ⅛" dia. x ⅝" long, overall length 1⅛". Close circuit jack is ⅝" overall depth, mounting hole ¼". Ten per package each color.
Cat. No. PJ-27B Black
Cat. No. PJ-27R Red

SUB-MINIATURE PLUGS

Ivory plastic grip 2-conductor subminiature earphone plug. Packaged 10 per bag.
Plug length 7/16 in.
Plug diameter 3/32 in.
Ivory plastic handle.
CAT. No. P-35



SUB-MINIATURE PLUGS AND JACKS

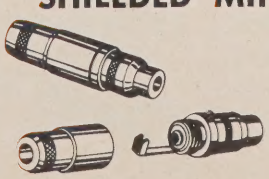


Smallest phone plug and jack available. Only 7/16" long and 3/32" in diameter. Excellent for all transistor and subminiature applications. Jack can be mounted on panel up to 1/16" thick. Can be used for open or closed circuits. Packaged 10 plugs and jacks per bag. **Cat. No. PJ-35**

SLIM INLINE JACK

Female in-line jack for standard ¼ in. phone plugs. Will fit our BP-31B standard phone plugs. Black or red. Size: ½ in dia. by 1 11/16 in. long.
Cat. No. RJ-30 (Specify Color)

SHIELDED MINIATURE INLINE JACK



Made to fit a 7/64 diameter phone plug similar to PJ-28 described on this page.
Cat. No. J-831

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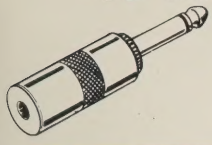
ULTRA MINIATURE JACK TO MINIATURE PLUG



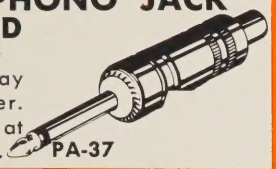
Input .097" diameter jack Output .140" dia. plug.
Cat. No. PR-25

MINIATURE JACK TO ULTRA MINIATURE PLUG

Input .140" diameter jack Output .097" dia. plug.
Cat. No. PR-24

RCA TYPE PHONO JACK TO STANDARD PHONE PLUG

Slim shielded 2-way phone plug adapter. Has RCA type jack at other end. **Cat. No. PA-37**



DUAL RCA TYPE PHONO JACK JUNCTION ADAPTER

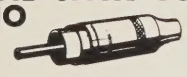
Connects 2 cables with RCA pin type plugs. RCA type phono jack at both ends. **Cat. No. RJ-2**

STANDARD PHONE JACK TO RCA TYPE PHONO PLUG

Shielded standard phone plug accepts ¼" dia. phone plug. Nickle plated.
Cat. No. PR-21

MINIATURE PHONE JACK TO RCA TYPE PHONO PLUG ADAPTER

Shielded miniature phone jack accepts 9/64" dia. phone plug. Nickle plated. **Cat. No. PR-23**



MINIATURE PHONE JACK TO STANDARD PHONE PLUG

Shielded miniature jack accepts a 9/64" dia. plug to shielded phone plug ¼" dia. Nickle plated.
Cat. No. PR-20

RCA TYPE PHONO JACK TO MINIATURE PHONE PLUG

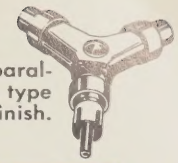
Phono jack to shielded miniature phone plug 9/64" dia. Nickle plated.
Cat. No. PR-22

MALE MIKE TO FEMALE MIKE

Male connector threaded 5/8-27. Female connector tapped 5/8-27. Nickle plated.
Cat. No. G-710

SHIELDED AUDIO HI-FI "Y" ADAPTERS YOUR CHOICE

Two RCA type jacks parallel connected to a standard two-way phone plug. Chrome finish. Fully shielded.
Cat. No. AC-7



Two RCA type jacks parallel connected to RCA type pin plug. Chrome finish. Fully shielded.
Cat. No. AC-8

STANDARD PHONE JACK TO MINIATURE PHONE PLUG

Accepts ¼" plug to 9/64" dia. phone plug. Nickle plated.
Cat. No. G-701

MALE MIKE TO MINIATURE PHONE PLUG

Mike connector threaded 5/8-27 to 9/64" dia. phone plug. Nickle plated.
Cat. No. G-704

MALE MIKE TO STANDARD PHONE PLUG

Mike connector threaded 5/8-27 to ¼" phone plug. Nickle plated.
Cat. No. G-700

MALE MIKE TO RCA TYPE PHONO JACK

Mike connector threaded 5/8-27 to phono jack. Nickle plated.
Cat. No. G-703

FEMALE MIKE TO RCA TYPE PHONO JACK

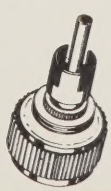
Female connector tapped 5/8-27 to phono jack. Nickle plated.
Cat. No. G-706

MALE MIKE TO RCA TYPE PHONO PLUG

Mike connetcor threaded 5/8-27 to phono plug. Nickle plated.
Cat. No. G-702

FEMALE MIKE TO RCA TYPE PHONO PLUG

Female connector tapped 5/8-27 to phono plug. Nickle plated.
Cat. No. G-705



MALE MIKE TO MALE MIKE

Both threaded 5/8-27. Nickle plated.
Cat. No. G-709

STANDARD PHONE JACK TO FEMALE MIKE

Standard phone jack to female mike connector tapped 5/8-27. Nickle plated.
Cat. No. G-707

STANDARD PHONE JACK TO MALE MIKE

Standard phone jack to male mike threaded 5/8-27. Nickle plated.
Cat. No. G-708

RCA TYPE PHONO-JACK TO STANDARD PHONE PLUG COMPLETELY SHIELDED

CAT. NO. G-713

DUAL RCA TYPE PHONO JACK JUNCTION ADAPTER

Mates with 2 RCA type phono plugs to make extensions. Completely shielded. **Cat. No. G-712**

STANDARD PHONE JACK TO RCA TYPE PHONO JACK COMPLETELY SHIELDED

Ideal for making extensions. Nickel plated.
Cat. No. G-714

MINIATURE PHONE JACK TO RCA TYPE PHONO JACK COMPLETELY SHIELDED

Accepts 9/64" dia. phone plug. Nickle plated.
Cat. No. G-715

MINIATURE PHONE JACK TO FEMALE MIKE COMPLETELY SHIELDED

Accepts 9/64" dia. phone plug.
Cat. No. G-716

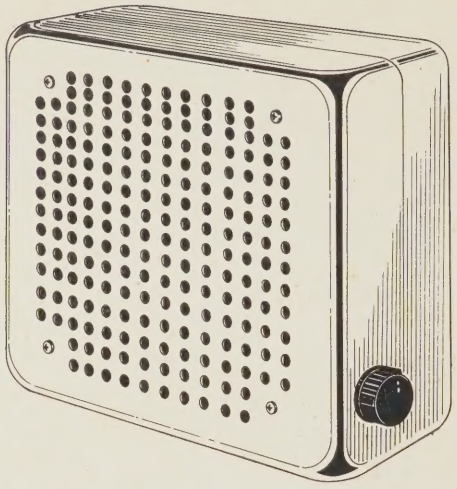
MINIATURE PHONE JACK TO MALE MIKE COMPLETELY SHIELDED

Accepts 9/64" dia. phone plug. Nickle plated.
Cat. No. G-717

Calrad®

VOLUMETRIC WEATHER-PROOF SPEAKER IN METAL CABINET BUILT IN VOLUME CONTROL

Cat. No. 861



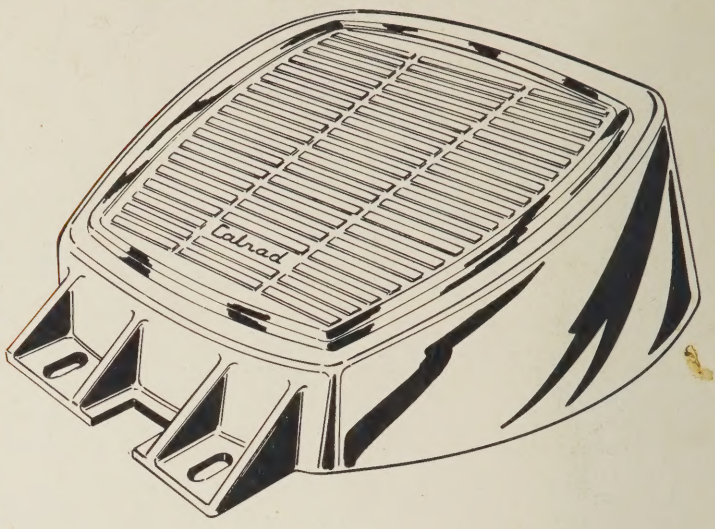
Perfect outdoor hi-fi speaker. Fully weatherproof with "Indoor tone quality."

A new approach has been used in the design of this speaker for good compliance and amplitude. Closer fitting voice coil gives excellent transfer of energy. Heavy duty ferrite magnet. Frequency 30 to 20,000 cps. Voice coil 8 ohm Impedance. The membrane material which supports the edge of the cone is unique. Output R.M.S. 15 Watt program, use two for stereo.

Two mounting holes on back for hanging up on patio or wall. Ideal for cars, boats, and home.

Size: 7" sq. x 3½" deep.

VOLUMETRIC WEATHERPROOF MULTI-MOUNT SPEAKER



★ FOR ANY FLAT SURFACE
★ STEREO OR MONAURAL

Cat. No. 876

AUTO—Car stereo, Tape Player, Under seat, Under dash, Door panels, Side kick panels, Back of drivers seat, Rear deck, Ceiling. Station wagon, truck, Stereo tape player. May be used as above.

BOATS—Cabin, Salon, Outdoor, Bulkhead, Flying bridge, Sun deck.

HOME—Extension speaker for Radio, TV, Tape player, Phono, etc. May be used under shelves, Ceilings, Patio, Walls, etc.

Heavy Ferrite Magnet.

Output—15 watt RMS.
Voice coil Imp. 8 ohm.
15 foot leads, color coded.

Overall size: 7¾" L x 6" W x 3½" D.

GEM ELECTRONICS

AMERICA'S FASTEST GROWING CHAIN

16 STORES TO SERVE YOU

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